L Number	Hits	Search Text	DB	Time stamp
1	6	acacia.asn.	USPAT	2004/02/26 11:42
2	0	acacia adj research.asn.	USPAT	2004/02/26 11:42
3	7	yurt.inv.	USPAT	2004/02/26 11:43
4	0	acacia adj media.asn.	USPAT	2004/02/26 11:43
5	0	greenwich adj information adj technology.asn.	USPAT	2004/02/26 11:44
6	5	(interleav$3 or synchroniz$6) and yurt.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:47
7	5	((interleav$3 or synchroniz$6) and yurt.inv.) and digital	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:48
8	214	((interleav$3 or synchroniz$6) and yurt.inv.) and7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:48
9	5	((interleav$3 or synchroniz$6) and yurt.inv.) and (((interleav$3 or synchroniz$6) and yurt.inv.) and digital)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:54
10	5	(((interleav$3 or synchroniz$6) and yurt.inv.) and (((interleav$3 or synchroniz$6) and yurt.inv.) and digital)) and (address$2 or location$1 or identifier$1 or id41 or url$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:54
11	5	(((interleav$3 or synchroniz$6) and yurt.inv.) and (((interleav$3 or synchroniz$6) and yurt.inv.) and digital)) and (address$2 or location$1 or identifier$1 or id$1 or url$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 11:57
12	5	(((interleav$3 or synchroniz$6) and yurt.inv.) and (((interleav$3 or synchroniz$6) and yurt.inv.) and digital)) and (address$2 or location$1 or identifier$1 or id$1 or url$1 or identification$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:01
13	5	((((interleav$3 or synchroniz$6) and yurt.inv.) and (((interleav$3 or synchroniz$6) and yurt.inv.) and digital)) and (address$2 or location$1 or identifier$1 or id$1 or url$1 or identification$1)) and (process$3 or cpu)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:52
14	3459	709/230-235.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:53
15	6041	audio near4 (synchroniz$8 or interleav$3 or combin$3) near4 (metadata or (meta adj data) or image$1 or video or captions or mpeg or media or multimedia or text or speech)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:56
16	142	netscape.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:56

17	13	netscape.asn. and stream$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:56
18	983	rinehart.xa. or rinehart.xp.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:57
19	2	(rinehart.xa. or rinehart.xp.) and america adj online.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:58
20	1	((rinehart.xa. or rinehart.xp.) and america adj online.asn.) and (interleav$3 or sychroniz$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:20
21	62	glaser.inv. and video	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:20
22	2	realnetwork$1.asn. and (glaser.inv. and video)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:28
23	8903	microsoft.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:29
24	1256	microsoft.asn. and stream$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:31
25	68	(microsoft.asn. and stream$3) and @ad<19941130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:31
26	330	microsoft.asn. and player$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:31
27	8	(microsoft.asn. and player$1) and @ad<19941130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:42
28	415	709/247.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:42
29	68	709/247.ccls. and 709/230-235.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:42
30	2	(709/247.ccls. and 709/230-235.ccls.) and @ad<19941130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:43

31	2	(audio adj buffer$1) and (metadata adj buffer$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 13:43
-	109	(725/105).CCLS.	USPAT	2002/04/19 16:13
-	10	plurality adj (media adj server$1)	USPAT	2002/04/16 16:06
-	10	(media adj servers) and geograph$3	USPAT	2002/04/16 16:01
-	0	(media adj servers) and ((725/105).CCLS.)	USPAT	2002/04/16 16:01
-	123	(media adj servers)	USPAT	2002/04/16 16:12
-	2	locate near4 (media adj server$1)	USPAT	2002/04/16 16:03
-	17	plurality adj3 (media adj server$1)	USPAT	2002/04/16 16:06
-	354	(media adj server$1)	USPAT	2002/04/16 16:12
-	885	(709/219).CCLS.	USPAT	2002/04/16 16:12
-	29	((709/219).CCLS.) and ((media adj server$1))	USPAT	2002/04/16 16:16
-	327	(709/231).CCLS.	USPAT	2002/04/16 16:16
-	26	((709/231).CCLS.) and ((media adj server$1))	USPAT	2002/04/16 16:19
-	17	("4577240" | "5128810" | "5148432" | "5163131" | "5166939" | "5206943" | "5218689" | "5249279" | "5301310" | "5313585" | "5355453" | "5414455" | "5442390" | "5448568" | "5469548" | "5508732" | "5510905").PN.	USPAT	2002/04/16 16:17
-	35	(choos$3 or select$4) near5 ((media adj server$1))	USPAT	2002/04/16 16:21
-	30	(choos$3 or select$4) adj3 (video adj server)	USPAT	2002/04/16 16:25
-	3513	geographic adj location$1	USPAT	2002/04/16 16:32
-	6	(geographic adj location$1) and ((media adj server$1))	USPAT	2002/04/16 16:30
-	4	("4814883" | "5200825" | "5424770" | "5600366").PN.	USPAT	2002/04/16 16:26
-	13	5892535.URPN.	USPAT	2002/04/16 16:27
-	741	server$1 and (geographic adj location$1)	USPAT	2002/04/16 16:30
-	1	(server$1 and (geographic adj location$1)) and (((multi adj media) or media) adj clip$1)	USPAT	2002/04/16 16:32
-	56	(server$1 and (geographic adj location$1)) and ((multi adj media) or media adj clip$1)	USPAT	2002/04/16 16:32
-	27	(((multi adj media) or media) adj clip$1)	USPAT	2002/04/16 16:32
-	339	(different or disparate) adj3 (geographic adj location$1)	USPAT	2002/04/16 16:33
-	123	((different or disparate) adj3 (geographic adj location$1)) and media	USPAT	2002/04/16 16:33
-	3506	725/$.ccls.	USPAT	2002/04/16 16:34
-	7	725/$.ccls. and (((different or disparate) adj3 (geographic adj location$1)) and media)	USPAT	2002/04/16 16:34
-	5	(("5440334") or ("5287249") or ("5289545") or ("5283819") or ("5282028")).PN.	USPAT	2002/04/19 16:14
-	3506	725/$.ccls.	USPAT	2002/04/19 16:14

-	16	(("4999806") or ("4987529") or ("4975691") or ("4963995") or ("4941123") or ("4905094") or ("4899299") or ("4845756") or ("4827256") or ("4658093") or ("4611277") or ("4581484") or ("4506387") or ("4504705") or ("4253157") or ("3882538")).PN.	USPAT	2002/04/19 16:19
-	169	bigelow.inv.	USPAT	2002/04/19 16:19
-	1	bigelow.inv. and modem	USPAT	2002/04/19 16:29
-	299	725/$.ccls. and geograph$3	USPAT	2002/04/19 16:29
-	11	(725/$.ccls. and geograph$3) and (709/219.ccls. or 709/217.ccls.)	USPAT	2002/04/19 16:40
-	18	audio adj servers	USPAT	2002/04/19 16:46
-	289	server$1 same (geographic$4 adj location$1)	USPAT	2002/04/19 16:49
-	0	map same (geographic$3 and (media adj server$1))	USPAT	2002/04/19 16:49
-	13	map same (media adj server$1)	USPAT	2002/04/19 16:50
-	6135	map near4 location$1	USPAT	2002/04/19 16:50
-	742	(map near4 location$1) and server$1	USPAT	2002/04/19 16:50
-	114	(map near4 location$1) same server$1	USPAT	2002/04/19 16:50
-	1984	(audio or video) adj2 demand	USPAT	2002/04/19 16:51
-	443	((audio or video) adj2 demand) and map	USPAT	2002/04/19 16:51
-	141	(((audio or video) adj2 demand) and map) and 725/$.ccls.	USPAT	2002/04/19 16:53
-	12	map adj4 location adj4 server$1	USPAT	2002/04/19 16:54
-	323	server adj location$1	USPAT	2002/04/19 16:56
-	1	("5793980").PN.	USPAT	2002/04/19 16:59
-	29	("3882538" | "4253157" | "4504705" | "4506387" | "4581484" | "4611277" | "4658093" | "4827256" | "4845756" | "4899299" | "4905094" | "4941123" | "4975691" | "4987529" | "4999806" | "5001580" | "5051822" | "5057932" | "5109482" | "5132992" | "5195092" | "5237322" | "5247347" | "5253341" | "5262875" | "5282028" | "5283819" | "5289545" | "5297249").PN.	USPAT	2002/04/19 16:57
-	21	5793980.URPN.	USPAT	2002/04/19 16:58
-	2	glaser.inv. and rinehart	USPAT	2002/04/19 17:05
-	9	("4827256" | "5132992" | "5237322" | "5537409" | "5719786" | "5758085" | "5793980" | "5915094" | "5917835").PN.	USPAT	2002/04/19 16:59
-	28	ADDRESS NEAR3 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 17:19
-	49	PLURALITY ADJ2 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 17:20
-	15	SELECT NEAR3 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 18:03
-	0	DATABASE NEAR3(PLURALITY ADJ2 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1))	USPAT	2002/04/19 18:07
-	0	(STORAGE ADJ MEDIA)WITH(PLURALITY ADJ2 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1))	USPAT	2002/04/19 17:21

-	168	(BUFFER OR (STORAGE ADJ MEDIA) OR DATABASE) NEAR7((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 17:38
-	87	MEDIA ADJ RECEIVER	USPAT	2002/04/19 17:25
-	39	SERVER$1 NEAR5(GEOGRAPHIC ADJ LOCATION$1)	USPAT	2002/04/19 17:31
-	105	SERVER ADJ SELECTION	USPAT	2002/04/19 17:31
-	9	LIST ADJ3((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 17:39
-	17	LIST ADJ10((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 17:43
-	25	CLIENT ADJ5 STORE$1 ADJ5 LOCATION	USPAT	2002/04/19 18:09
-	0	MENU NEAR3 ADDRESS NEAR3 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 18:03
-	1	TYPE NEAR3 ADDRESS NEAR3 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 18:04
-	37	725/54	USPAT	2002/04/19 18:06
-	106	DATABASE NEAR10 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 18:12
-	34	(DATABASE NEAR10 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)) AND 725/$.ccls.	USPAT	2002/04/19 18:07
-	369	(CLIENT OR WORKSTATION) NEAR5 MENU	USPAT	2002/04/19 18:09
-	0	((CLIENT OR WORKSTATION) NEAR5 MENU) AND (DATABASE NEAR10 ((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1))	USPAT	2002/04/19 18:09
-	6	((CLIENT OR WORKSTATION) NEAR5 MENU) AND 725/$.ccls.	USPAT	2002/04/19 18:10
-	794	MENU AND 725/$.ccls.	USPAT	2002/04/19 18:10
-	130	(MENU AND 725/$.ccls.) AND (CLIENT OR WORKSTATION)	USPAT	2002/04/19 18:11
-	1266	((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)	USPAT	2002/04/19 18:12
-	305	(((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)) AND MENU$1	USPAT	2002/04/19 18:12
-	152	((((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)) AND MENU$1) AND 725/$.ccls.	USPAT	2002/04/19 18:13
-	6	(((((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)) AND MENU$1) AND 725/$.ccls.) AND @AD<19920102	USPAT	2002/04/19 18:13
-	25	(((((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1)) AND MENU$1) AND 725/$.ccls.) AND @AD<19941130	USPAT	2002/04/19 18:18
-	7602	GEOGRAPHIC$4 NEAR5 LOCATION$1	USPAT	2002/04/19 18:18
-	51	(GEOGRAPHIC$4 NEAR5 LOCATION$1) AND (((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1))	USPAT	2002/04/19 18:19
-	6	((GEOGRAPHIC$4 NEAR5 LOCATION$1) AND (((MEDIA OR VIDEO OR MULTIMEDIA) ADJ SERVER$1))) AND @AD<19941130	USPAT	2002/04/19 18:20
-	87	map near5 (geographic adj location$1)	USPAT	2002/04/21 16:24
-	23	(map near5 (geographic adj location$1)) and @ad<19941130	USPAT	2002/04/21 16:22
-	89	map with (server) with location$1	USPAT	2002/04/21 16:23
-	6	(map with (server) with location$1) and @ad<19941130	USPAT	2002/04/21 16:23
-	32	list$1 near5 (geographic adj location$1)	USPAT	2002/04/21 16:29
-	3537	select$4 near5 server	USPAT	2002/04/21 16:43
-	50	plurality adj2 ((multimedia or video or audio or media) adj server$1)	USPAT	2002/04/21 16:44

-	4923	map near3 location$1	USPAT	2002/04/21 16:44
-	0	(map near3 location$1) and (plurality adj2 ((multimedia or video or audio or media) adj server$1))	USPAT	2002/04/21 16:44
-	5	(plurality adj2 ((multimedia or video or audio or media) adj server$1)) and map	USPAT	2002/04/21 16:44
-	1408	(audio or video or media) adj clip$1	USPAT	2002/04/21 16:45
-	390	((audio or video or media) adj clip$1) and map	USPAT	2002/04/21 16:45
-	37	(((audio or video or media) adj clip$1) and map) and @ad<19941130	USPAT	2002/04/22 06:07
-	1	("5132992").PN.	USPAT	2002/04/22 06:07
-	1	(("5132992").PN.) and decod$3	USPAT	2002/04/22 06:13
-	1	(("5132992").PN.) and (processor$1 or cpu)	USPAT	2002/04/22 06:37
-	0	(("5132992").PN.) and quality	USPAT	2002/04/22 06:37
-	1	5682325.pn.	USPAT	2002/04/22 06:37
-	0	5682325.pn. and quality	USPAT	2002/04/22 06:40
-	1	5682325.pn. and updat$3	USPAT	2002/04/22 07:38
-	0	5682325.pn. and (clip$1)	USPAT	2002/04/22 07:27
-	0	(5682325.pn. and (clip$1)) and usage$1	USPAT	2002/04/22 07:27
-	0	(5682325.pn. and (clip$1)) and frequency	USPAT	2002/04/22 07:31
-	0	(("5132992").PN.) and pc	USPAT	2002/04/22 07:31
-	0	5682325.pn. and pc	USPAT	2002/04/22 07:31
-	1	5682325.pn. and computer	USPAT	2002/04/22 07:31
-	1	(("5132992").PN.) and computer$1	USPAT	2002/04/22 07:31
-	1	(("5132992").PN.) and updat$3	USPAT	2002/04/22 07:38
-	8	REALNETWORK$1.ASN.	USPAT	2003/03/04 09:22
-	446	(multimedia or (mult adj media) or media) adj player$1	USPAT	2003/05/29 14:26
-	190	((multimedia or (mult adj media) or media) adj player$1) and @ad<199411012 and server$1	USPAT	2003/05/29 14:26
-	7	(((multimedia or (mult adj media) or media) adj player$1) and @ad<19941101) and server$1	USPAT	2003/05/29 14:26
-	57	((multimedia or (mult adj media) or media) adj player$1) and @ad<19941101	USPAT	2003/05/29 14:32
-	327	player$1 and server$1 and @ad<19941101	USPAT	2003/05/29 14:32
-	3602	load adj balanc$3	USPAT	2003/05/29 14:33
-	0	(load adj balanc$3) and ((((multimedia or (mult adj media) or media) adj player$1) and @ad<19941101) and server$1)	USPAT	2003/05/29 14:33
-	250	(player$1 and server$1 and @ad<19941101) and select$4	USPAT	2003/05/29 14:33
-	129	(player$1 and server$1 and @ad<19941101) and media	USPAT	2003/05/29 14:33
-	124	((player$1 and server$1 and @ad<19941101) and media) and ((player$1 and server$1 and @ad<19941101) and select$4)	USPAT	2003/05/29 14:33
-	5114	(choos$4 or select$4) near5 server$1	USPAT	2003/05/29 14:34

-	14188	(connect$4 or session) near4 server$1	USPAT	2003/05/29 14:35
-	967	709/227.ccls.	USPAT	2003/05/29 14:35
-	1	709/227.ccls. and (player$1 and server$1 and @ad<19941101)	USPAT	2003/05/29 14:35
-	5141	(multiple or plurality or group)adj3 server$1	USPAT	2003/05/29 14:47
-	437	709/231.ccls.	USPAT	2003/05/29 14:36
-	79	((multiple or plurality or group)adj3 server$1) and 709/231.ccls.	USPAT	2003/05/29 14:36
-	2	(((multiple or plurality or group)adj3 server$1) and 709/231.ccls.) and @ad<19941101	USPAT	2003/05/29 14:42
-	3	6018771.URPN.	USPAT	2003/05/29 14:40
-	2	("5079767" | "5276442").PN.	USPAT	2003/05/29 14:40
-	34	((multiple or plurality or group)adj3 server$1) and ((multimedia or (mult adj media) or media) adj player$1)	USPAT	2003/05/29 14:43
-	4	("5890910" | "5947746" | "5953005" | "6069310").PN.	USPAT	2003/05/29 14:44
-	60	(multiple or plurality or group)adj3 ((media or (multi adj media) or multimedia) adj server$1)	USPAT	2003/05/29 15:31
-	2	6279040.URPN.	USPAT	2003/05/29 14:50
-	6	("5572645" | "5603058" | "5625404" | "5656539" | "5671225" | "5790176").PN.	USPAT	2003/05/29 14:50
-	3	6275471.URPN.	USPAT	2003/05/29 14:51
-	4	("5918020" | "6006253" | "6031818" | "6128649").PN.	USPAT	2003/05/29 14:51
-	30	("5091849" | "5150472" | "5241671" | "5276679" | "5305195" | "5305389" | "5317732" | "5347632" | "5351276" | "5442749" | "5446740" | "5491820" | "5493677" | "5499330" | "5528739" | "5530852" | "5537526" | "5539886" | "5544051" | "5557515" | "5572643" | "5577042" | "5621874" | "5623652" | "5625818" | "5649186" | "5659729" | "5717914" | "5778372" | "5802292").PN.	USPAT	2003/05/29 14:53
-	49	("3795771" | "4352124" | "4352200" | "4428078" | "4584603" | "4647980" | "4756528" | "4763360" | "4774514" | "4835604" | "4853555" | "4866515" | "4887152" | "4896209" | "4897714" | "4920432" | "4975696" | "5123015" | "5214505" | "5220419" | "5289272" | "5311302" | "5347632" | "5404567" | "5412376" | "5414455" | "5442390" | "5517508" | "5529265" | "5539448" | "5555466" | "5557541" | "5568180" | "5568484" | "5572442" | "5581270" | "5586937" | "5594924" | "5596647" | "5608447" | "5608448" | "5612730" | "5617331" | "5631693" | "5631694" | "5634012" | "5640297" | "5677905" | "5808660").PN.	USPAT	2003/05/29 14:54
-	7	("5195092" | "5287447" | "5325423" | "5351276" | "5371532" | "5541919" | "5544161").PN.	USPAT	2003/05/29 14:58
-	47	5671225.URPN.	USPAT	2003/05/29 14:59
-	448	709/232.ccls.	USPAT	2003/05/29 15:32
-	1167	709/219.ccls.	USPAT	2003/05/29 15:33

-	249	709/247.ccls.	USPAT	2003/05/29 15:33
-	21793	stream$4 same (audio or mpeg or video or multimedia or media)	USPAT	2003/05/29 15:35
-	22323	stream$4 same (audio or mpeg or video or multimedia or media or clip$1)	USPAT	2003/05/29 15:35
-	43657	(encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)	USPAT	2003/05/29 15:35
-	59819	(compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3)	USPAT	2003/05/29 15:36
-	638	709/213.ccls. or 709/216.ccls.	USPAT	2003/05/29 15:36
-	6023	(stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))	USPAT	2003/05/29 15:37
-	225	((stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))) and ((multiple or plurality or group)adj3 server$1)	USPAT	2003/05/29 15:37
-	109	((stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))) and 709/231.ccls.	USPAT	2003/05/29 15:37
-	85	((stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))) and 709/219.ccls.	USPAT	2003/05/29 15:37
-	20	((stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))) and 709/232.ccls.	USPAT	2003/05/29 16:02
-	921	711/118.ccls.	USPAT	2003/05/29 16:02

-	3	711/118.ccls. and (((stream$4 same (audio or mpeg or video or multimedia or media)) and (stream$4 same (audio or mpeg or video or multimedia or media or clip$1)) and ((encod$3 or decod$3) same (audio or mpeg or video or multimedia or media or clip$1)) and ((compress$4 or decompress$4) same (audio or mpeg or video or multimedia or media or clip$1 or stream$3))) and ((multiple or plurality or group)adj3 server$1))	USPAT	2003/05/29 16:02
-	103694	(workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)	USPAT	2003/06/02 09:56
-	3979	(multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers)	USPAT	2003/06/02 09:58
-	169	725/2.ccls. or 725/4.ccls. or 725/41.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:00
-	99	725/74.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:00
-	67	725/82.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:00
-	291	725/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:01
-	36	725/89.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:01
-	151	725/91.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:01
-	58	725/94.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:01
-	14	725/94.ccls. and @ad<19941101	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:01
-	5	(725/94.ccls. and @ad<19941101) and ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:02
-	24	((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 (select$4 or choos$3) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:04

-	472	((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:04
-	4	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and 725/91.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:05
-	0	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and 725/89.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:05
-	6	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and 725/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:06
-	0	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and 725/82.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:06
-	0	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and 725/74.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:06
-	1	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) near5 ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and (725/2.ccls. or 725/4.ccls. or 725/41.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:06
-	77	(((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) same ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and @ad<19941101	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 10:50
-	10	(("5440334") or ("5297249") or ("5289545") or ("5283819") or ("5282028")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:00

-	777	709/231.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:00
-	602	709/232.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:01
-	0	709/232.ccls. and ((((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) same ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and @ad<19941101)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:01
-	1	709/231.ccls. and ((((workstation or client or player or (media adj player) or (multimedia adj player) or subscriber)) same ((multimedia adj servers) or (media adj servers) or ((plurality or multiple or group) adj3 servers) or (video adj servers) or (audio adj servers))) and @ad<19941101)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:13
-	25	yurt.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:22
-	2	5682325.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:37
-	2	5822537.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:37
-	1	5822537.pn. and compress$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:44
-	0	5822537.pn. and ip and tcp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:53
-	1	5822537.pn. and bandwidth	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:55
-	2	5132992.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:55
-	0	5132992.pn. and bandwidth	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 11:55
-	2	5132992.pn. and compress$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 12:31

-	16	(("5822537") or ("5835667") or ("5625404") or ("5612742") or ("5583994") or ("5629732") or ("5561456") or ("5734719")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 12:32
-	864	Glaser.inv.	USPAT	2004/02/25 12:01
-	11	realnetwork$1.asn.	USPAT	2004/02/25 13:36
-	3051	microsoft.asn.	USPAT	2004/02/25 12:03
-	3	microsoft.asn. and (windows near3 (media adj player$1))	USPAT	2004/02/25 12:04
-	106	mbone	USPAT	2004/02/25 12:04
-	4	mbone and microsoft.asn.	USPAT	2004/02/25 12:12
-	4	aol.asn.	USPAT	2004/02/25 12:12
-	1	american adj online.asn.	USPAT	2004/02/25 12:13
-	57	america adj online.asn.	USPAT	2004/02/25 12:32
-	1467034	(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) same (information or content or data or information or media or audio or video)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 12:52
-	1467073	(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) same (information or content or data or information or media or audio or video or metadata or (meta adj data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:14
-	292698	(url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 12:55
-	7	realnetwork$1.asn. and server$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 12:55
-	5838	709/231.ccls. or 709/217-219.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 12:59
-	2343	709/212-214.ccls. or 711/118.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:01
-	1549	((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:03

-	65	(("5877755") or ("5297249") or ("5289545") or ("5283819") or ("5282028") or ("5262875") or ("5253341") or ("5247347") or ("5237322") or ("5195092") or ("5164839") or ("5132992") or ("5109482") or ("5057932") or ("5051822") or ("5001580") or ("4999806") or ("4987529") or ("4975691") or ("4963995") or ("4941123") or ("4905094") or ("4899299") or ("4845756") or ("4827256") or ("4658093") or ("4611277") or ("4581484") or ("4506387") or ("4504705") or ("4253157") or ("3882538")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:10
-	522583	host$1 or server$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:11
-	11463	(host$1 or server$1) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) same (information or content or data or information or media or audio or video or metadata or (meta adj data))) same ((url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:13

-	459	("5956729" "6185602" "5867230" "6112226" "6119154" "6138147" "6014689" "6564248" "5761673" "6463440" "6643621" "6079566" "6212535" "6212535" "6157771" "6201925" "5751280" "5784527" "5973679" "6078664" "6128435" "5630005" "5801781" "5838678" "6018351" "6188703" "6233017" "6272658" "6285825" "6393578" "6430530" "5774666" "6122436" "6118790" "5881245" "6065050" "6076734" "6164541" "5367621" "5828370" "5835495" "5892535" "5903264" "5935240" "5945986" "5949955" "6044089" "6052148" "6134201" "6215745").pn. ("6215745" "6272190" "6356178" "6404898" "6445738" "6529146" "6396500" "5937164" "5892825" "6078908" "5742730" "5898119" "5900908" "5980262" "6157770" "6185306" "4811325" "4937807" "5189630" "5208421" "5274779" "5467274" "5631693" "5680558" "5690113" "5696500"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:13

-	781910	(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:36
-	4157	((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:15
-	5	(((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.)) and (america adj online.asn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:15
-	94298	(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:47
-	940	((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:16

-	837	(((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.))) and (host$1 or server$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:16
-	33	((((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.))) and (host$1 or server$1)) and microsoft.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:25
-	0	(((((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.))) and (host$1 or server$1)) and microsoft.asn.) and @ad<19941130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:49

-	25	(("5956729" "6185602" "5867230" "6112226" "6119154" "6138147" "6014689" "6564248" "5761673" "6463440" "6643621" "6079566" "6212535" "6212535" "6157771" "6201925" "5751280" "5784527" "5973679" "6078664" "6128435" "5630005" "5801781" "5838678" "6018351" "6188703" "6233017" "6272658" "6285825" "6393578" "6430530" "5774666" "6122436" "6118790" "5881245" "6065050" "6076734" "6164541" "5367621" "5828370" "5835495" "5892535" "5903264" "5935240" "5945986" "5949955" "6044089" "6052148" "6134201" "6215745").pn. ("6215745" "6272190" "6356178" "6404898" "6445738" "6529146" "6396500" "5937164" "5892825" "6078908" "5742730" "5898119" "5900908" "5980262" "6157770" "6185306" "4811325" "4937807" "5189630" "5208421" "5274779" "5467274" "5631693" "5680558" "5689113" "5696500"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:27

-	1	((("5877755") or ("5297249") or ("5289545") or ("5283819") or ("5282028") or ("5262875") or ("5253341") or ("5247347") or ("5237322") or ("5195092") or ("5164839") or ("5132992") or ("5109482") or ("5057932") or ("5051822") or ("5001580") or ("4999806") or ("4987529") or ("4975691") or ("4963995") or ("4941123") or ("4905094") or ("4899299") or ("4845756") or ("4827256") or ("4658093") or ("4611277") or ("4581484") or ("4506387") or ("4504705") or ("4253157") or ("3882538")).PN.) and ((((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) same (interleav$3 or combin$3 or synchroniz$8)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))) and (709/231.ccls. or 709/217-219.ccls.))) and (host$1 or server$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:29
-	16	((("5877755") or ("5297249") or ("5289545") or ("5283819") or ("5282028") or ("5262875") or ("5253341") or ("5247347") or ("5237322") or ("5195092") or ("5164839") or ("5132992") or ("5109482") or ("5057932") or ("5051822") or ("5001580") or ("4999806") or ("4987529") or ("4975691") or ("4963995") or ("4941123") or ("4905094") or ("4899299") or ("4845756") or ("4827256") or ("4658093") or ("4611277") or ("4581484") or ("4506387") or ("4504705") or ("4253157") or ("3882538")).PN.) and ((url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:34
-	110234	(access$3 or select$4 or choos$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:40
-	7	("5793980" | "5822524" | "5933603" | "5956321" | "5991836" | "5996015" | "6040866").PN.	USPAT	2004/02/25 13:39
-	118357	(access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:41

-	119217	(access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data) or file$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:41
-	14	5822524.URPN.	USPAT	2004/02/25 13:42
-	1117	((access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data) or file$1)) and (709/231.ccls. or 709/217-219.ccls.)	USPAT	2004/02/25 13:42
-	3066	((access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data) or file$1)) same ((url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository))	USPAT	2004/02/25 13:43
-	2	(((access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data) or file$1)) same ((url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository))) and ((("5877755") or ("5297249") or ("5289545") or ("5283819") or ("5282028") or ("5262875") or ("5253341") or ("5247347") or ("5237322") or ("5195092") or ("5164839") or ("5132992") or ("5109482") or ("5057932") or ("5051822") or ("5001580") or ("4999806") or ("4987529") or ("4975691") or ("4963995") or ("4941123") or ("4905094") or ("4899299") or ("4845756") or ("4827256") or ("4658093") or ("4611277") or ("4581484") or ("4506387") or ("4504705") or ("4253157") or ("3882538")).PN.)	USPAT	2004/02/25 13:44

-	8	(((access$3 or select$4 or choos$3 or request$3) near5(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data) or file$1)) same ((url$1 or address$2 or identifier$1 or uri$1 or id$1) near8 (memory or storage or buffer$1 or cache$1 or database or repository))) and (("5956729" "6185602" "5867230" "6112226" "6119154" "6138147" "6014689" "6564248" "5761673" "6463440" "6643621" "6079566" "6212535" "6212535" "6157771" "6201925" "5751280" "5784527" "5973679" "6078664" "6128435" "5630005" "5801781" "5838678" "6018351" "6188703" "6233017" "6272658" "6285825" "6393578" "6430530" "5774666" "6122436" "6118790" "5881245" "6065050" "6076734" "6164541" "5367621" "5828370" "5835495" "5892535" "5903264" "5935240" "5945986" "5949955" "6044089" "6052148" "6134201" "6215745").pn. ("6215745" "6272190" "6356178" "6404898" "6445738" "6529146" "6396500" "5937164" "5892825" "6078908" "5742730" "5900908"	USPAT	2004/02/25 13:45

-	5	digital adj video adj system$1.asn.	USPAT	2004/02/25 13:47
-	51494	(stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) near8 (interleav$3 or combin$3 or synchroniz$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:48
-	423	((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) near8 (interleav$3 or combin$3 or synchroniz$8)) and (((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:48
-	128	(((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.) and (709/231.ccls. or 709/217-219.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:48
-	39	((((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.) and (709/231.ccls. or 709/217-219.ccls.)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) near8 (interleav$3 or combin$3 or synchroniz$8)) and (((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:49
-	7	(((((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.) and (709/231.ccls. or 709/217-219.ccls.)) and (((stream$3 or (real adj video) or (real adj audio) or (real adj media) or media or multimedia or digital or audio or video or mpeg or mbone or (media adj player) or (audio adj player$1)) near8 (information or content or data or information or media or audio or video or metadata or (meta adj data)) near8 (interleav$3 or combin$3 or synchroniz$8)) and (((725/41) or (725/46) or (725/89) or (725/92) or (725/105) or (725/1) or (725/2) or (725/87)).CCLS.))) and @ad<19941130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:50
-	12116	audio near4 (synchroniz$8 or interleav$3 or combin$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:51
-	28	audio near4 (synchroniz$8 or interleav$3 or combin$3) near4 (metadata or (meta adj data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/26 12:54

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1 **Communications-intensive workstations**
Katseff, H.P.; Gaglianello, R.D.; London, T.B.; Robinson, B.S.;
Workstation Operating Systems, 1992. Proceedings., Third Workshop on , 23-24 April 1992
Pages:22 - 28

[Abstract] [PDF Full-Text (280 KB)] **IEEE CNF**

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images) <near/3> (audio <or>
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1 **Interleaved forward error correction for variable bit rate video coding**
Harasaki, H.; Yano, M.;
Communications, 1994. ICC 94, SUPERCOMM/ICC '94, Conference Record, Serving Humanity Through Communications. IEEE International Conference on , 1-5 May 1994
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2 **An error-correction scheme for a helical-scan magnetic data storage system**
Hawthorne, C.R.; Sousa, E.S.; Leon-Garcia, A.; Yen, J.L.;
Selected Areas in Communications, IEEE Journal on , Volume: 10 , Issue: 1 , Jan. 1992
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Mao, W.D.; Kung, S.Y.; Ishida, T.;
Circuits and Systems, 1990., IEEE International Symposium on , 1-3 May 1990
Pages:3046 - 3049 vol.4

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4 **Video data format converters using minimum number of registers**
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5 **Interleaved pipeline structures for two-dimensional recursive filtering**
Lu, T.; Azimi-Sadjadi, M.R.;
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Pages:87 - 91

[Abstract] [PDF Full-Text (348 KB)] IEEE JNL

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6 **A robust error resilient video compression algorithm**
Magal, H.; Ianconescu, R.; Meron, P.;
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Wei, L.-F.;
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9 **100 Mpixel/sec single-chip integrated graphics controller (IGC)**
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10 **TV distribution in technology-neutral franchises using MVDS [multipoint video distribution systems]**
Wildey, C.G.;
MVDS: The Way Forward, IEE Colloquium on , 7 Apr 1992
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11 **Channel coding for digital HDTV terrestrial broadcasting**

Beakley, G.W.;
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12 **Asymptotic limits of video signal processing architectures**
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Computer-Aided Design, 1991. ICCAD-91. Digest of Technical Papers., 1991 IEEE International Conference on , 11-14 Nov. 1991
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14 **HDTV transmission system design in an SDG-based STM network**
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15 **Frequency Interleaved Sampling of a Color Television Signal**
Golding, L.; Garlow, R.;
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Pages:972 - 979

[Abstract] [PDF Full-Text (968 KB)] **IEEE JNL**

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16 **Coding and cell-loss recovery in DCT-based packet video**
Zhu, Q.-F.; Wang, Y.; Shaw, L.;
Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 3 , Issue: 3 , June 1993
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Kinoshita, T.; Nakahashi, T.; Maruyama, M.;
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Pages:230 - 237

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18 **A 100-MHz 2-D discrete cosine transform core processor**
Uramoto, S.; Inoue, Y.; Takabatake, A.; Takeda, J.; Yamashita, H.; Terane, H.; Yoshimoto, M.;
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19 **A 128 K×8 70-MHz multiport video RAM with auto register reload and 8×4 block WRITE feature**
Pinkham, R.; Russell, D.; Balistreri, A.; Herndon, T.H.; Anderson, D.; Mehta, A.; Nguyen, T.; Hong, N.H.; Sakurai, H.; Hatakoshi, S.; Guillemaud, A.;
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20 **A CMOS interface IC for CCD imagers**
Kim, K.Y.; Abidi, A.A.;
VLSI Technology, Systems, and Applications, 1993. Proceedings of Technical Papers. 1993 International Symposium on , 12-14 May 1993
Pages:277 - 281

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21 **Communications-intensive workstations**
Katseff, H.P.; Gaglianello, R.D.; London, T.B.; Robinson, B.S.;
Workstation Operating Systems, 1992. Proceedings., Third Workshop on , 23-24 April 1992
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22 **ATM adaption layer for video transmission**
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23 **High-quality audio and video signal transmission in a broadband ISDN based on ATD-the problem of cell losses**
Hessenmuller, H.; Nunes, S.;
Telecommunications Symposium, 1990. ITS '90 Symposium Record., SBT/IEEE International , 3-6 Sept. 1990
Pages:87 - 91

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24 **A 10 b 50 MHz pipelined CMOS A/D converter with S/H**
Yotsuyanagi, M.; Etoh, T.; Hirata, K.;
Solid-State Circuits, IEEE Journal of , Volume: 28 , Issue: 3 , March 1993
Pages:292 - 300

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25 **Constellation time division multiplexing for the 6 Mb/s ADSL**
Sorbara, M.; Chung, H.Y.;
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Pages:821 - 825 vol.2

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26 **Packet video for cell loss protection using deinterleaving and**

scrambling
Tom, A.S.; Yeh, C.L.; Chu, F.;
Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 International Conference on , 14-17 April 1991
Pages:2857 - 2860 vol.4

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27 **622 Mbps SONET-like digital coding, multiplexing, and transmission of advanced television signals on single mode optical fiber**
Jalali, A.; Fleischer, P.E.; Stephens, W.E.; Huang, P.C.;
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28 **2.5 GHz MVDS in the Irish Republic-a detailed overview [multipoint video distribution system]**
Keys, P.;
MVDS: The Way Forward, IEE Colloquium on , 7 Apr 1992
Pages:4/1 - 4/4

[Abstract] [PDF Full-Text (168 KB)] **IEE CNF**

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29 **Video transmission over a radio link using H.261 and DECT**
Heron, A.; MacDonald, N.;
Image Processing and its Applications, 1992., International Conference on , 7-9 Apr 1992
Pages:621 - 624

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30 **A run-length limited coding algorithm with DC control**
Chan, S.W.C.; Middleton, B.K.;
Video, Audio and Data Recording, 1990., Eighth International Conference on , 24-26 Apr 1990
Pages:159 - 167

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31 **Low complexity decoding for intersymbol interference channels**
Vinck, H.;
Video, Audio and Data Recording, 1990., Eighth International Conference on , 24-26 Apr 1990
Pages:154 - 158

[Abstract] [PDF Full-Text (260 KB)] **IEE CNF**

Prev **1** **2** **3**

STIC Search Report
EIC 2100

STIC Database Tracking Number: 115376

TO: William C Vaughn **Location: 5A52** **Art Unit : 2143** **Thursday, February 26, 2004** **Case Serial Number: 09/237099**	**From: Geoffrey St. Leger** **Location: EIC 2100** **PK2-4B30** **Phone: 308-7800** **geoffrey.stleger@uspto.gov**

Search Notes

Dear Examiner Vaughn,

Attached please find the results of your search request for application 09/237099. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
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S13	515	S12 NOT PY=1995:2004
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S16          32   S15 NOT PY=1995:2004
S17          19   RD (unique items)
S18           1   S17 NOT S6
S19        2547   (METADATA OR META()DATA OR VIDEO OR MOVIE? ? OR FILM? ? OR
                  ANIMATION OR TEXT??? OR CAPTION? ? OR IMAGE? ? OR GRAPHIC? ? -
                  OR PICTURE? ? OR PHOTO? ? OR PHOTOGRAPH? ?)(5W)S10(5W)AUDIO
S20         417   S19(50N)S3
S21         138   S20 NOT PY=1995:2004
S22          86   RD (unique items)
S23          73   S22 NOT (S6 OR S18)
S24         490   S19(50N)S2
S25          42   S24 NOT PY=1996:2004
S26          25   RD (unique items)
S27           9   S26 NOT (S6 OR S18 OR S23)
S28          88   S24 NOT PY=1997:2004
S29          48   RD (unique items)
S30          23   S29 NOT (S6 OR S18 OR S23 OR S27)
```

01277981 Supplier Number: 45189307 (THIS IS THE FULLTEXT)

AVISTAR(TM) VISUAL COLLABORATION SYSTEM DEBUTS

PR Newswire, pN/A
Dec 5, 1994
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1377

TEXT:

AVISTAR(TM) VISUAL COLLABORATION SYSTEM DEBUTS

New Cross-Platform Video Collaboration System Shatters Quality and Affordability Barriers

Alliances with Apple, Starlight and CLI Announced

Early Financial Services Users Laud New System

PALO ALTO, CA., Dec. 5, 1994 -- Avistar Systems, a new member of the Visionary Group of companies, today announced its debut product: a client/server, cross-platform, visual collaboration system for Windows PCs, Apple Macintoshes, and Sun workstations. Called Avistar, the system includes modules named Avistar Conference, Avistar Shareboard(TM) and Avistar Directory which deliver desktop videoconferencing, document conferencing, and visual directory services respectively.

The new Avistar system delivers broadcast-quality, full-motion video to corporate desktops via standard unshielded twisted-pair wiring and local-area network (LAN) technologies. Avistar provides a click-to-connect visual directory and simple icon- and menu-based controls for both novice and expert users. It is based on an advanced client/server architecture that provides maximum extensibility for adding new video services, networked resources and applications.

"Avistar breaks through the quality, deployability, and affordability barriers that have slowed the adoption of desktop video technologies," said Bruce Mitchell, president of Avistar Systems. "We provide unsurpassed video clarity to existing desktop machines over the wiring that's already in customers' walls. And Avistar's standards-independent client/server architecture ensures a smooth migration to tomorrow's high-speed, switched networks."

Avistar is entering one of the computer industry's fastest growing markets. According to Personal Technology Research, a leading videoconferencing research firm, the market for desktop videoconferencing systems will grow to $4.7 billion by 1997. The Gartner Group predicts that demand for collaborative technologies such as groupware and document sharing will expand from two million users in 1994 to over 50 million users by the end of the decade.

A member of the Visionary Group of companies, Avistar Systems was founded in 1993 to transform Visionary's leading-edge, custom developed technologies into open, cross-platform, low-cost products. The core technology for the new Avistar system is in its third major release, building on a four-year development effort by Visionary.

Early Users Laud Visual Collaboration Technology

Early users of the Avistar technology include Chase Manhattan Bank and other New York financial institutions. According to these users, Avistar gives organizations the ability to assemble ad-hoc teams of experts to address time-critical business problems, eliminate unproductive meetings, manage more direct reports, reach better decisions faster, and enhance revenues by establishing tighter links to customers.

"We think this technology gives us a real competitive advantage," commented James Zeigon, Executive Vice President at Chase Manhattan. "Our professionals in San Francisco, London, New York and Geneva can discuss investment opportunities in real-time with our clients in a way that is high-tech and high-touch."

Strategic Alliances Announced

Avistar also announced technology and co-marketing alliances today with a well rounded set of organizations including Apple,

Chinon, Compression Labs, Future Labs, Matrox, Parallax Graphics, Siren Software, Starlight **Networks** and Western **Data** Systems.

Broadcast-Quality Video with No Performance Sacrifice

Avistar uses existing unshielded twisted-pair wires to deliver video over a switched network that co-exists with standard **packet** based **data networks**

As a result, Avistar delivers TV-quality, 30 frames-per-second video and fully **synchronized audio** with minimal impact on **data networks** .

The system uses **TCP / IP** on the **data network** to set up videoconferencing calls, transmit document conferencing information, and terminate calls, all of which typically consume less than one percent of LAN bandwidth in extremely short data bursts. By contrast, most other desktop videoconferencing systems utilize large amounts of data network bandwidth to transmit digitally compressed video images, thereby causing significant performance degradation on the main data LAN.

Client/Server Architecture Yields Cross-Platform, Multi-Party Benefits

The Avistar system is based on an open, client/server architecture that utilizes a central Sun Solaris server to manage a switched network for distributing video and audio signals to clients, along with video interfaces at each client workstation to process and display the signals. On the client side, the system supports 386 or higher PCs running Windows 3.1 and Windows for Workgroups; Apple Macintoshes running System 7; and Sun workstations running SunOS or Solaris with Motif. The various versions provide consistent functionality on each platform, maintain the native look-and-feel of the platform's operating system, and allow users on dissimilar platforms to communicate.

With its current release, Avistar supports multi-party conferences in which users can see everyone else in the conference on-screen simultaneously. This contrasts to many existing systems that offer only point-to-point calls or multi-party calls in which users can see only one participant at a time. Also with this release, users can send camcorder or VCR signals directly from their desk to any user on their Avistar network.

Avistar's architecture is designed to allow for the inclusion of new networked devices such as media servers, TV tuners, VCRs, e-mail and fax servers, even PBXs and voice mail systems. Avistar will be working with partners in these areas to provide applications such as video-on-demand, remote training, and environments that integrate all forms of electronic communication.

Standards Independence Provides Safe Evolutionary Path

Avistar architecture is standards-independent, supporting any video compression method including H.320, MPEG and JPEG, as well as proprietary standards such as Intel's Indeo, CLI's CTX+ and Picture Tel's HVQ compression schemes. As a result, customers can integrate desktop and conference room systems from other vendors into their Avistar conferences.

"Avistar frees customers from having to bet on any single standard for video compression," commented Mitchell. "Our architecture is designed to let users upgrade to new standards as they emerge."

Cross-Platform Document Conferencing Joins All Desktops

In addition to videoconferencing and visual directory modules, the new Avistar system includes a facility for document conferencing operations called Avistar Shareboard that enables multiple participants to interactively annotate a shared document. Users can create documents with any standard desktop application, such as a word processor, spreadsheet, or graphics package, then share the document with any group of networked users. All participants can then type and draw using their choice of colors and tools, and store snapshots of the annotated document for future reference. Avistar Shareboard can run independently or in conjunction with an ongoing videoconference.

Extension Planned for Multi-Campus Deployment

A single Avistar Server can support many clients in a building or

campus environment. In its next release scheduled for spring, Avistar will deliver wide-area enhancements that will enable Avistar servers to communicate with each other using shared codec pools and dial-up or dedicated connections.

Pricing and Availability

Avistar sells whole product solutions that include all the required software and enabling hardware components for a successful deployment. A typical Avistar installation of 30 users costs approximately $3,000 per user, including the amortized server cost. Avistar collaboration software for client workstations costs $695 per user. Avistar also offers a $995 hardware package that includes a camera, microphone, speakers and video LAN interface to make existing workstations Avistar-ready. Users can choose to display video on screen using an optional video overlay card or a standard NTSC television monitor. Avistar offers video overlay cards for each of its supported platforms.

An Avistar server including software, multi-point conference center hardware, a switch and required cabling is priced at $14,995 and manages up to 44 users. A typical Avistar installation of thirty users costs approximately $3,000 per user, including the amortized server cost. Unlike ISDN-based conferencing systems, the Avistar system has no usage charges for local campus conferences.

Version 3 of the Avistar system for Windows PCs, Apple Macintosh, Sun Solaris and SunOS systems is available immediately.

Sneak Previews in Select Cities

Avistar is demonstrating the Avistar collaboration environment and describing its architecture in a series of seminars in New York on December 6, San Francisco on December 8, Dallas on December 13, and Chicago on December 15. Each seminar begins at 8:30 A.M. To register for one of the seminars, call 1-800-568-2847.

About Avistar Systems

Founded in 1993, Avistar Systems is dedicated to providing high quality, cross-platform collaborative systems to business professionals who demand effective communications tools. Part of the Visionary Group of companies, Avistar has operations in Palo Alto, California and field offices in the following metropolitan areas: New York, London, Los Angeles, San Francisco, Chicago and Austin.

NOTE: Avistar, Shareboard and the Avistar logo are trademarks of Avistar Systems. All other company and product names are trademarks of their respective companies.

PUBLISHER NAME: PR Newswire Association, Inc.
COMPANY NAMES: *Avistar Systems
EVENT NAMES: *330 (Product information)
GEOGRAPHIC NAMES: *1U9CA (California); 1USA (United States)
[illegible] NAMES: *7372400 (Applications Software)
[illegible] NAMES: BUS (Business, General); BUSN (Any type of business)
[illegible]: 51121 (Software Publishers)

6/9/19 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01241562 Supplier Number: 44369959 (THIS IS THE FULLTEXT)

InSoft Integrates Breakthrough Audio/Video Synchronization Software Into Collaborative Videoconferencing and Distributed Digital Video Offerings

News Release, pN/A
Jan 20, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 428
TEXT:

InSoft Integrates Breakthrough Audio/Video Synchronization Software Into Collaborative Videoconferencing and Distributed Digital Video Offerings

Called InSoft InSyncTM, new software algorithms generate fully scalable, highly adaptive sychronized A/V streams for superior network video quality.

MECHANICSBURG, PA, JANUARY 20,1994-- InSoft, Inc., is announcing a new high-performance option called InSoft InSyncTM to Communique!TM and InSoft Network Television, INTV!TM, that delivers state-of- the-art network **audio** /video **synchronisation** and allows users to set parameters to take full advantage of available bandwidth.

According to Daniel Harple, president/CEO of InSoft, "InSync is an adaptive algorithm that dynamically balances CPU and **network** loads, **frame** rates, compression ratios and sampling rates. It delivers the best possible performance under real world conditions. The result is fully scalable A/V synchronization adjustable from low frame rates to high frame rates with varying degrees of compression.

"In addition, users can now intuitively set frame-per-second/compression parameters to manage bandwidth consumption or take advantage of open pipelines should they be available," said IIarple. "We've had our video performance set at eight-to-ten frames per second and up to 50 frames-per- second and the quality is still exceptional. Our large enterprise sites are very excited about deploying it."

---more---

page 2... InSoft InSync -

Communique! integrates real-time digital video technology with fully interactive, point-and-click groupware conferencing tools such as a shared whiteboard, shared writeboard, audio, text and graphics tools. Using full motion color video, Communique's videoconferencing lets users see and sense reactions of up to 10 remote participants at more than one location at one time.

InSoft SHARETM (Shared Application Resource Environment), for interactive application sharing between conference members is an available option with Communique!.

INTV! distributes live or recorded video across the network to the desktop on an "on-demand" basis. Any supported workstation can be configured with standard television cabling as a non-dedicated "TvStation," and the administrator has complete control in regard to each users frame rate and video window size. Users do not need to have a video capture board installed on their workstation in order to view INTV!.

InSoft is a worldwide leader in the technology and sales of workgroup collaboration, desktop conferencing and distributed digital video solutions. Its products are marketed directly to commercial and government end- users, through.leading systems manufacturers and value-added resellers, for applications such as financial services, computer-aided design, engineering and exploration, health care, entertainment, legal, telecommunications, and a myriad of other information technology applications. InSoft, Inc., is headquartered at Executive Park West One, Suite 307,4718 Old Gettysburg Road, Mechanicsburg, PA, 17055; 717-730-9501; Fax: 717-730-9504; kdwinsoft.com.

PUBLISHER NAME: Various
COMPANY NAMES: *Insoft
EVENT NAMES: *330 (Product information)
GEOGRAPHIC NAMES: *1U2PA (Pennsylvania); 1USA (United States)
PRODUCT NAMES: *7372430 (Engineering & Scientific Software)
INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)
NAICS CODES: 51121 (Software Publishers)
TRADE NAMES: InSync; Communique; INTV

6/9/46 **(Item 2 from file: 15)**

00929791 95-79183
Video smorgasbord turns heads at TeleCon show

Messmer, Ellen
Network World v11n43 PP: 18 Oct 24, 1994 ISSN: 0887-7661 JRNL CODE: NWW
DOC TYPE: Journal article LANGUAGE: English LENGTH: 1 Pages
WORD COUNT: 585

ABSTRACT: At the recent TeleCon XIV show, RADVision Ltd. demonstrated the OnLAN System, a video interface unit for the PC. Panasonic Broadcast and Television Systems Co. used the show to introduce 4 new H.320-based systems. Meanwhile, IBM sought to drum up interest among codec vendors and software developers for its Lakes channel-manager architecture.

TEXT: At the recent TeleCon XIV show here, a host of new videoconferencing products for both desktop video and room systems vied for the attention of show attendees who wandered among booths of interactive video heads.

RADVision, Ltd., a division of The RAD Group, demonstrated its video interface unit for the personal computer that packetizes audio and video output from any H.320-compatible desktop system for distribution over Ethernet and wide-area nets. RADVision's OnLAN System offers a way to use ISDN-oriented H.320 on a LAN while still maintaining interoperability with H.320 room, group or desktop systems. H.320 is the International Telecommunication Union's set of audio and video standards for videoconferencing.

Once the H.320 audiostream and videostream is packetized, it is routed over the LAN via the RADVision video router. If a connection to the wide area is needed, a RADVision gateway is employed to transmit the packetized video over an ISDN link, said Amos Amir, managing director at RADVision. The desktop interface costs $3,500, the video router is priced at $4,500, and the gateway is tagged at $7,500.

On LAN, which will ship in December, is being beta-tested at the office of the prime minister of Israel and here in the U.S. at Irvine, Calif.-based Workstation Technologies, Inc. "It's working well on the six H.320-based desktop video PCs where we've got it running," said Tim Dubas, marketing manager at Workstation Technologies.

PANASONIC'S VISION

Meanwhile, Panasonic Broadcast and Television Systems Co. used the show to introduce four new H.320-based systems.

The desktop unit in the Panasonic VisionSeries line is a dedicated videoconferencing system for dial-up over Basic Rate Interface ISDN. Priced at less than $14,000, it includes the coder/decoder, a BRI interface card, software, a microphone and a camera.

Panasonic is also fielding three new rollabouts that range in speed from 386K bit/sec to T-1 and in price from $14,000 to $30,000.

All of the Panasonic VisionSeries systems operate at 30 frame/sec and include a multiconferencing capability that lets users broadcast one-way live video to six locations simultaneously without a multipoint control unit.

Video for mobile PCs has been largely neglected to date, but Alpha Systems Lab, Inc. introduced a video card and whiteboard data-sharing software for use with a Toshiba Corp. T6600C and T6600 C/CD laptop computer. The package costs $1,195 and will ship in mid-November.

GREAT LAKES

Amid the hubbub of video displays, IBM sought to drum up interest among codec vendors and software developers for its Lakes channel-manager architecture. Lakes defines a way to synthesize videostreams, datastreams and audiostreams over multiple networks, including **TCP / IP** , Novell, Inc.'s IPX, ISDN and Advanced Program-to-Program Communications links.

The Lakes middleware, with its data-protocol conversion software that sits in the desktop video PC, offers a way to **synchronize audio** -, video-and data-sharing applications so that motions and speech seem natural, even when signals are shipped across multiple types of networks, said Bob Rittle, market development manager of conferencing products at IBM's network software division.

Lake works with videoconferencing products that comply with the H.320 standards and data-sharing products that comply with the T.120 standard.

"Nothing in the new T.120 standard gives us a way to do this synchronization," Rittle said.

So far, however, no codec vendor or software developer has declared support for the latest version of Lakes, which was released last May--a critical element for the middleware to work, Rittle noted.
IBM last week demonstrated Lakes synchronization support across an [illegible] Ethernet LAN provided by National Semiconductor Corp.

"We're trying to start the drumbeat of awareness on this," Rittle said.

6/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01722108 SUPPLIER NUMBER: 16215539 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Video meets Ethernet; desktop videoconferencing catches on in TCP/IP- and PC-based LANs. (Unisys' PW2 Solution Series Desktop Videoconferencing System and RADVision's OnLAN)
Paone, Joe
INTERNETWORK, v5, n11, p1(2)
Nov, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 477 LINE COUNT: 00041

... Specifically, its PW2 Solution Series Desktop Videoconferencing System allows videoconferencing over plain old Ethernet networks.

The solution provides point-to-point full-motion video with **synchronized audio** at up to 28 frames per second. Video windows can be scaled from icons to full-screen size, just like any other window.

The system is bundled with Microsoft Windows for Workgroups and supports Microsoft's Object Linking and Embedding standard, facilitating data sharing. Since it includes **TCP / IP** , typical gateways, bridges and routers can be used with the system, says the company. In addition, the LAN doesn't have to be dedicated to...

6/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01722092 SUPPLIER NUMBER: 16289501 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Listening to multimedia: the (in)sane person's guide to multimedia in education. (includes glossary and related article on networking multimedia) (Panel Discussion)
Mageau, Therese
Electronic Learning, v14, n3, p28(8)
Nov-Dec, 1994
DOCUMENT TYPE: Panel Discussion ISSN: 0278-3258 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4774 LINE COUNT: 00387

... CD-ROM networking software, to answer some of the thornier questions involved with networking multimedia.

Q. What are potential problems in running multimedia over a **network** ?

A. When **data** is delayed through bottlenecks, it can be "degraded" or distorted. Text and graphic data have few delays; animations and video might present minor delays. A minor delay in **audio** , however, may render speech or **music** incomprehensible. **Interleaved** animations and **audio** , and **interleaved** video and **audio** , can least tolerate delays without degrading data. Also, there is a "limit" to the number of people who may simultaneously access a CD-ROM over...

6/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01704299 SUPPLIER NUMBER: 16268596 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Visiting the architects. (includes related articles on peripheral participation and Agorics' distributed-system platform)
RELease 1.0, v94, n8, p6(12)
August 3, 1994
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4941 LINE COUNT: 00392

... users have microphones and (optional) cameras mounted near their computers. The video refreshes at only five frames per second, has medium

resolution and doesn't **synchronize** with the **audio** feed, but it is good enough to show whether others are present, have visitors or are absorbed in activity. Besides, several of these videos can be running in one palette at the same time (using the **Internet** multicast protocols) -- all on standard Ethernet.

(5)The usage of the terms "communities of practice," "periphery" and "legitimate peripheral participation" at PARC derives from studies...

6/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01704277 SUPPLIER NUMBER: 16255944 (USE FORMAT 7 OR 9 FOR FULL TEXT)
RAD Technologies produces two multimedia products. (RAD Technologies Inc introduces VideoCam 1.0 and ScreenPlay 2.1) (Brief Article) (Product Announcement)
HP Professional, v8, n9, p66(2)
Sept, 1994
DOCUMENT TYPE: Product Announcement ISSN: 0896-145X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 219 LINE COUNT: 00018

... HP-UX 9.03, SunOS 4.1 and Solaris 2.3 operating systems. ScreenPlay ... "movies" can be delivered on CD-ROMs, via the **Internet** or as multimedia mail messages. Other features include: WYSIWYG TimeLine **Audio** and Video editing; **audio** overdubbing with true **audio** and video **synchronization** ; and a command line API for embedding a ScreenPlay Viewer with documentation, multimedia and database applications. Price is $1,895 for a single user development...

6/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01673145 SUPPLIER NUMBER: 15084071 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apple endorses iso-multimedia network scheme. (National Semiconductor Corp. isoENET for video delivery)
Welch, Nathalie
MacWEEK, v8, n13, p1(2)
March 28, 1994
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 529 LINE COUNT: 00043

... will not be popular.

According to Ryon, current high growth in the switched-Ethernet hub market may also slow isoENET implementation. Circuit-switched isochronous Ethernet **synchronizes** the **audio** and video frames without buffers and ..., a difficult feat with **packet - switched** hubs.

Apple is treading carefully with its video-delivery plans, supporting ... standard in isoENET and licensing its own technology. In that ..., Apple...

6/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01666564 SUPPLIER NUMBER: 15048734 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bandwidth needs, sync are technical challenges. (videoconferencing over local-area networks) (synchronization of sound and video) (PC Week Buyers' Guide)
Khan, Saad
PC Week, v11, n4, p77(2)
Jan 31, 1994
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 555 LINE COUNT: 00046

...ABSTRACT: its use of bandwidth to 384K bps with resolution of 320 by 240 and 15-frames/sec frame speed. InSoft and HP offer products that **synchronize** the **audio** and video **packets** via erudite **networking** and multitasking.
... 384K bps with the same resolution of 320 by 240 pixels and nearly the same frame speed of 15 fps.
LAN communication of video and **audio** is based on packetizing video and **audio** information so that a LAN handles it much like E-mail. **Synchronization** of **audio** and video **packets** depends on smooth **networking** and multitasking.
This is relatively easy for Unix to handle, due to its pre-emptive multitasking and built-in networking. Over Windows, however, which lacks...

6/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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SUPPLIER NUMBER: 16195717
OS/2 Warp takes aim at Windows; adds multimedia support, access to CompuServe, Internet. (IBM's OS/2 Warp operating system) (Product Announcement)
Darrow, Barbara
Computer Reseller News, n600, p297(1)
Oct 17, 1994
DOCUMENT TYPE: Product Announcement ISSN: 0893-8377 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: the 6 million copies of OS/2 shipped. Warp runs atop DOS and Windows and uses existing LAN requester technology, but a LAN client bundling **TCP / IP** and other connections will ship in early 1995. The operating system features easy access to CompuServe and the **Internet** , as well as support for full-motion video and **synchronized audio** . Some analysts claim that Windows 95 delays give Warp a chance to establish itself in the market.

6/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01642308 SUPPLIER NUMBER: 15331548
Products aimed at making network multimedia work today. (Interoperability Supplement to Communications Week: Multimedia Applications)
Arnesen, Kathryn
CommunicationsWeek, n501, pWP9(2)
April 18, 1994
ISSN: 0746-8121 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: separately for les than $100. In Nov 1993, Novell Inc introduced NetWare Video 1.0, a NetWare Loadable Module (NLM) that lets digital video and **synchronized audio** be used on NetWare LANs. The software accomplishes this by operating as a store-and-forward application rather than in real time. Several companies offer multimedia electronic mail products, and an emerging multimedia standard, Multipurpose **Internet** Mail Extensions (MIME), is likely to encourage all E-mail companies to do so.

6/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01640799 SUPPLIER NUMBER: 15058030
Conferencing systems enhanced. (InVision Systems Corp.'s Video Conferencing for Windows version 2.0 videoconferencing software, and InSoft Inc.'s InSync algorithm for audio and video synchronization) (Product

Announcement)
Semilof, Margie
CommunicationsWeek, n489, p20(2)
Jan 24, 1994
DOCUMENT TYPE: Product Announcement ISSN: 0746-8121 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: Windows version 2.0 local area network (LAN)-based conferencing software, and InSoft Inc introduces the InSync algorithm that helps network managers set parameters for **audio** and video **synchronization** . Video Conferencing for Windows 2.0 runs on Ethernet and token-ring LANs; support for Novell Inc's Internetwork Packet Exchange is added in the new version to complement the package's support for **TCP / IP** . InSync balances traffic on CPUs and **networks** , as well as **frame** rates, compression ratios, and sampling rates; the algorithm will be incorporated into all new products from the company, and existing users will receive the upgrade...

6/3,K/10 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01626737 SUPPLIER NUMBER: 14639103 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Desktop videoconferencing now affordable, has hidden cost. (Up Periscope) (Column)
Machrone, Bill
PC Week, v10, n45, p113(1)
Nov 15, 1993
DOCUMENT TYPE: Column ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 521 LINE COUNT: 00040

...ABSTRACT: users cannot justify having T-1 lines connected to their desktops. Videoconferencing systems that use microcomputers directly may be able to use the local area **network** (LAN) to transfer **data** , but most LANs cannot handle the high data rate. Also, LAN traffic can cause problems with **audio** and video **synchronization** . Limiting access to 10 users per server solves the data-rate problem, but not for videoconferencing across servers. Vendors can solve the problem by using...

6/3,K/11 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01594237 SUPPLIER NUMBER: 13623516 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Video on a network: the list of potential applications for networked video is long, but the technology still lags.
Liebman, Sheldon
Computer Graphics World, v16, n4, p46(4)
April, 1993
ISSN: 0271-4159 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2602 LINE COUNT: 00206

... Loadable Module that monitors network traffic. When a digital video file is requested from the network server, FluentLinks intervenes to send only the amount of **data** that the **network** can deliver. As **network** traffic increases, video **frames** are dropped while maintaining **audio** /video **synchronization** . If traffic decreases, more data is sent over the network.
If you are operating in a standard Novell NetWare environment, Fluent software can be used...

6/3,K/12 (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01577086 SUPPLIER NUMBER: 15024381
Network ramifications of multimedia. (multimedia network application development) (includes a related article on video server products from Fluent Inc., ProtoComm Corp., and Starlight Networks) (Tutorial)
Del Vecchio, Brian
NetWare Technical Journal, v1, n2, p74(6)
Oct-Nov, 1993
DOCUMENT TYPE: Tutorial ISSN: 1040-4503 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: of a multimedia application that depends on networking technology; live video images are transmitted over wide area networks. Critical technologies for network multimedia applications include **synchronized audio** and video in client operating systems and video **data** compression. Video servers, **networking** media, and disk storage technologies for multimedia are examined.

6/3,K/13 (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01158719 SUPPLIER NUMBER: 12158154 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The telephone's new frontier. (includes related article on AT&T Microelectronics' AVP1000 Video Codec chip set for audio and video compression and decompression) (White Paper)
Electronics, v65, n4, pSA2(11)
April, 1992
ISSN: 0883-4989 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2359 LINE COUNT: 00193

... audio data between a server and multiple clients within LANs and WANs. FluentLinks supports the concept of scalable video--the capability to dynamically adapt video **data** rates to available **network** bandwidth, allowing motion video with **synchronized audio** to be sustained even under heavy load conditions.
PERSON TO PERSON
Another solution comes from IBM, which recently introduced Person to Person for networked PS...

6/3,K/14 (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01462396 SUPPLIER NUMBER: 11577148 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Desktop meeting: video teleconferencing brings sights and sounds to the desktop as FDDI's ample network bandwidth supports a new kind of meeting. (includes related article on video and audio standards; Fiber Distributed Data Interface; Applications)
Palmer, Larry; Palmer, Ricky
LAN Magazine, v6, n11, p111(6)
Nov, 1991
ISSN: 0898-0012 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3107 LINE COUNT: 00248

... uses standard networking protocols to transmit the digitized video and audio information to a remote workstation over FDDI. We use UDP/IP (User Datagram Protocol/ **Internet** Protocol) for the video data stream and **TCP / IP** for the **audio** data stream. We then **synchronize** the two data streams within the workstation upon arrival and before display.
We chose to use these protocols for two reasons. First, **TCP / IP** provides guaranteed delivery of data, while UDP/IP does not. Most people can tolerate loss of video frames in teleconferencing (hence the use of UDP ...

6/3,K/15 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01383278 SUPPLIER NUMBER: 09536647 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Saving space: CD ROMs are an ideal alternative to wasteful mountains of paper. (includes related article on several CD-ROM products)
Green, Terence
Which Computer?, v13, n10, p134(3)
Oct, 1990
ISSN: 0140-3435 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2147 LINE COUNT: 00163

... people with access.
Networks which can run text and graphics applications from CD ROM servers cannot hope to support the volume of data necessary for **interleaved audio** and moving video. Libraries, and corporates who use a lot of text based applications are better candidates for **networked** CD ROM.
Storing **data**
Creating a CD ROM containing your own database isn't an onerous task. Full mastering for say 20 copies of a 100 megabyte database can...

6/3,K/16 (Item 16 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01257806 SUPPLIER NUMBER: 07124797 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Modeling technology for the 21st century. (article five of six related columns on applied intelligence)
Martin, James
PC Week, v5, n46, p53(1)
Nov 14, 1988
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1153 LINE COUNT: 00098

... accessed from electronic media.
Several new technologies will converge to provide an infrastructure for electronic access to information: large optical-storage libraries; wideband electronic-mail **networks** ; distributed **data** -base management; textbase management systems; "open" distributed hypertext; artificial-intelligence aids for locating and retrieving information; highly parallel search engines; and personal "librarians" that help an individual find, monitor and pay for information.
A major medium for publishing will be the interactive compact disk (CDI), which can **interleave** text, pictures, moving images, speech and **music** of different quality levels.
Next week, we will explore the technology that we can expect to see in the second decade of the 21st century.

6/3,K/17 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04152590 SUPPLIER NUMBER: 16171349 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Windows 95. (Second Look) (Software Review) (includes related articles on DOS features, Internet tools) (Evaluation)
Fox, Steve; Glitman, Russell
PC World, v12, n11, p138(7)
Nov, 1994
DOCUMENT TYPE: Evaluation ISSN: 0737-8939 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4536 LINE COUNT: 00338

... network connection, and Windows 95 promises to make the link. We're seeing progress, but is it the light at the end of the tunnel?

Internet : It helps get you onto the highway, but OS/2 does it better.

Virtual Device Drivers: Sounds arcane, but these free more conventional memory. Great for DOS games.

CDFS: The new CD-ROM File System. Faster throughput allows larger video windows and **audio synchronization** . Still in development.

Shrink-wrap: Christmas 1994. No, early 1995. Would you believe spring 1995? Look for the new version of OS/2 before Thanksgiving...

6/3,K/18 **(Item 1 from file: 621)**
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01277981 Supplier Number: 45189307 (USE FORMAT 7 FOR FULLTEXT)
AVISTAR(TM) VISUAL COLLABORATION SYSTEM DEBUTS
PR Newswire, pN/A
Dec 5, 1994
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1377

... and co-marketing alliances
today with a well rounded set of organizations including Apple, Chinon, Compression Labs, Future Labs, Matrox, Parallax Graphics, Siren Software, Starlight **Networks** and Western **Data** Systems.
Broadcast-Quality Video with No Performance Sacrifice
Avistar uses existing unshielded twisted-pair wires to deliver video over a switched network that co-exists with standard **packet** based **data networks** .
As a result, Avistar delivers TV-quality, 30 frames-per-second video and fully **synchronized audio** with minimal impact on **data networks** .
The system uses **TCP / IP** on the **data network** to set up videoconferencing calls, transmit document conferencing information, and terminate calls, all of which typically consume less than one percent of LAN bandwidth in...

6/3,K/19 **(Item 2 from file: 621)**
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01241562 Supplier Number: 44369959 (USE FORMAT 7 FOR FULLTEXT)
InSoft Integrates Breakthrough Audio/Video Synchronization Software Into Collaborative Videoconferencing and Distributed Digital Video Offerings
News Release, pN/A
Jan 20, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 428

... Announcing
a new high-performance option called InSoft InSyncTM to Communique!TM and InSoft Network Television, INTV!TM, that delivers state-of- the-art network **audio** /video **synchronisation** and allows users to set parameters to take full advantage of available bandwidth.
According to Daniel Harple, president/CEO of InSoft, "InSync is an adaptive algorithm that dynamically balances CPU and **network** loads, **frame** rates, compression ratios and sampling rates. It delivers the best possible performance under real world conditions. The result is fully scalable A/V synchronization adjustable...

6/3,K/20 **(Item 3 from file: 621)**
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01179016 Supplier Number: 42516772 (USE FORMAT 7 FOR FULLTEXT)
Objectivity Announces First Object-Oriented Database Management System Available on Silicon Graphics Workstations
News Release, p1
Nov 12, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 544

... Graphics has the platform of choice for many techrvcal and scientiiic applications. The added support of Objectivity/DB will enable users to efficiently share distributed **data** on heterogeneous **networks** ."

"With the established advantage of Silicon Graphics' mixed media RISC platforms, users can exploit Objectivity/DB's ability to manage such complex data types as **audio** , video, graphics and text," noted Philip Raymond, director of database market development for Silicon Graphics. "As the leader in providing **baseline** tools to develop the next generation of visual computing solutions, Silicon Graphics is moving toward a nexus of igh-performance multimedia systems and the ...

6/3,K/21 **(Item 1 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02575920 Supplier Number: 45203148 (USE FORMAT 7 FOR FULLTEXT)
VIDEO COLLABORATION: AVISTAR VISUAL COLLABORATION SYSTEM DEBUTS; NEW CROSS-PLATFORM VIDEO COLLABORATION SYSTEM SHATTERS QUALITY AND AFFORDABILITY BARRIERS; ALLIANCES WITH APPLE, STARLIGHT & CLI ANNOUNCED
EDGE: Work-Group Computing Report, v5, n238, pN/A
Dec 12, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1219

... QUALITY VIDEO WITH NO PERFORMANCE SACRIFICE Avistar uses existing unshielded twisted-pair wires to deliver video over a switched network that co-exists with standard **packet** -based **data** **networks** . As a result, Avistar delivers TV-quality, 30 frames-per-second video and fully **synchronized** **audio** with minimal impact on **data** **networks** .

The system uses **TCP / IP** on the **data** **network** to set up videoconferencing calls, transmit document conferencing information, and terminate calls, all of which typically consume less than one percent of LAN bandwidth in...

6/3,K/22 **(Item 2 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02002110 Supplier Number: 43604110 (USE FORMAT 7 FOR FULLTEXT)
VIDEO TO RUN ON POPULAR NETWORK SYSTEMS
Multimedia Week, v2, n4, pN/A
Jan 25, 1993
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 556

... be accommodated on typical office LANs.

Fluent's part of the technology is a video server that monitors and adjusts the video traffic on the **network** , scaling back the **frame** rate of the video when necessary but keeping **audio** data intact and **synched** to video. This preserves transmissions on limited-bandwidth office networks with a minimum impact on image quality.

The system requires additional hardware on both a...

6/3,K/23 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03679609 Supplier Number: 45201699 (USE FORMAT 7 FOR FULLTEXT)
Avistar Cross-Platform Video Bows
Open Systems Today, p30
Dec 12, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 413

... existing corporate LAN,' said Bruce Mitchell, president of Avistar. 'There's concern that video will interfere with corporate data on the LAN.'
The system uses **TCP / IP data networks** to set up videoconferencing calls and to transmit document conferencing information - typically taking less than 1 percent of the LAN's bandwidth.
Avistar provides TV-quality full-motion video at 30 frames per second - the standard used by commercial broadcast networks - and fully **synchronized audio** .
The system uses a client-server architecture that consists of three client modules - the directory, videoconferencing, and Shareboard - and runs server software that consists of...

6/3,K/24 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03550824 Supplier Number: 44985995 (USE FORMAT 7 FOR FULLTEXT)
Task Force Set to Transform the Internet With New IP
CommunicationsWeek, p48
Sept 12, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1137

... network that already carries conferences between hundreds of sites in about 15 countries, is the main conduit for such multimedia traffic. M Bone shares the **Internet** 's physical media but uses a parallel system of dedicated multicast routers and 'tunnels.'
No matter how **audio** and video are pumped over the **Internet** , it does not always work. Pictures break up, voice is out of **synch** with video and connections are unexpectedly dropped.
The problem arises because the **Internet** is based on **packet switching** , not circuit switching. All bit streams are split into frames of varying lengths and sent separately. The packets may arrive in a different order, or...

6/3,K/25 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03512997 Supplier Number: 44919664 (USE FORMAT 7 FOR FULLTEXT)
An Audio-Visual Internet
CommunicationsWeek International, p6
August 15, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1170

... network that already carries conferences between hundreds of sites in some 15 countries, is the main conduit for such multimedia traffic.
M Bone shares the **Internet** 's physical media but uses a parallel system of dedicated multicast routers and 'tunnels.'

The catch: No matter how **audio** and video are pumped over the **Internet** , it does not always work. Pictures break up, voice is out of **sync** with video and connections are unexpectedly dropped.

The problem arises because the **Internet** is based on packet, not circuit, switching. All bit streams are split into frames of varying lengths and sent separately. Hence, the packets may arrive...

6/3,K/26 **(Item 4 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03449200 Supplier Number: 44810802 (USE FORMAT 7 FOR FULLTEXT)
LET'S MEET! DESKTOP TO DESKTOP
Network Computing, p62
July 1, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2943

... can be used effectively to supplement voice telephone calls, monitor remote facilities or view designs that require live pictures, documents or drawings. But products with **synchronized audio** and video make for much more personal interaction than IBM's version of silent film under Windows.

We tested Person to Person over NetBIOS, but we never got it working over **TCP / IP** . IBM is still trying to help us with this problem. The NetBIOS was easy to install. We quickly were able to begin sharing documents and...

6/3,K/27 **(Item 5 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
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03436146 Supplier Number: 44787361 (USE FORMAT 7 FOR FULLTEXT)
Multimedia: Fact or Fad?
CommunicationsWeek International, p21
June 27, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2219

... International
Telecommunication Union (ITU) H.261
H.320
Multimedia Communications Community of Interest NA

Company Purpose
Intel Corp. Interoperability between desktop video systems and PCs
Internet Engineering Task Force Transmission of **audio** and video with data
Interactive Multimedia Association Multimedia **Synchronization** and interoperability of multimedia across different operating systems
International Standards Organization Compresion scheme for coding still pictures; a motion JPEG alo exist
Hypermedia, time...

6/3,K/28 **(Item 6 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03408642 Supplier Number: 44739683 (USE FORMAT 7 FOR FULLTEXT)
Even Radio Programs Are Taking To The Net
Open Systems Today, p38
June 6, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 653

... Radio.
The difference between these and other radio stations is that the programs don't go over the airwaves. Instead, they're sent over the **Internet** using technology called 'multicasting.' Signals are sent out over the **Internet** in lockstep, designed to be received by workstations and converted into **synchronized audio** and video files.
The marriage of new technology with older forms of programming has created new challenges for programmers (not the computer kind, but rather the people who figure out what kinds of radio selections to offer), and has also stretched the limits of **Internet** technology, said Carl Malamud, president of the Internet Multicasting Service.
'Every new medium has analogies to the past,' said Malamud. 'Some things are the same...

6/3,K/29 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03196024 Supplier Number: 44377011 (USE FORMAT 7 FOR FULLTEXT)
Conferencing Systems Enhanced
CommunicationsWeek, p20
Jan 24, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 510

... encourage third-party development of custom features for InSoft applications.
InSoft's new enhancement, an algorithm called InSoft InSync, helps network managers set parameters for **audio** and video **synchronization** . InSync balances traffic loads on CPUs and **networks** , and also balances **frame** rates, compression ratios and sampling rates. Managers can adjust frame rates and compression levels to adjust to the amount of traffic on the network.
InSync...

6/3,K/30 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03041481 Supplier Number: 44135039 (USE FORMAT 7 FOR FULLTEXT)
GROWING UP ON THE LAN
VARbusiness, p72
Oct, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2859

... time.
Some scenarios simplify this strategy still further. The Fluent/Novell Multimedia approach bypasses the need for the smart switch by dynamically scaling the video **data** to the available **network** bandwidth. This, the company claims, lets motion video with **synchronized audio** be sustained even under heavy load conditions over standard Ethernet links. (Indeed, when Novell acquired Fluent, its purchase announcement stated its intention to 'leverage Fluent...

6/3,K/31 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02654381 Supplier Number: 43535370 (USE FORMAT 7 FOR FULLTEXT)
Packet Video Shown Off
CommunicationsWeek, p24
Dec 21, 1992
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 346

... System/6000 server.
Kevin Jeffay, an associate professor at UNC, demonstrated the Media Transport Protocol, a transport algorithm designed by university researchers. The protocol transmits **audio** signals redundantly so that when users videoconference on **packet networks** , the **audio** and video is **synchronized** . The other component of UNC's work is a suboperating system designed to support real-time multimedia applications.
Among the three issues UNC is trying to address are end-to-end latency, **audio** -video **synchronization** and the reduction of discontinuities that occur on a video display when packets are lost or delayed.
'The (Media Transport) protocol is interesting because it...

6/3,K/32 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02154930 Supplier Number: 42800733 (USE FORMAT 7 FOR FULLTEXT)
New Gateways Give WAN Links to LAN-SNA Nets
CommunicationsWeek, p17
March 2, 1992
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 235

... s two products are the SNAC/TRC Model 6700, which offers connectivity over X.25 networks, and the Network Concentrator, which provides direct connection to **frame** -relay **networks** . SNAC/TRC, short for Systems Network Architecture Network Access Controller/Token Ring Concentrator, includes an earlier model, the 6200, which converts Synchronous Data Link Control data traffic to Logical Link Control traffic.
'This [**Sync** 's new products] is a **sound** approach for integrating two very different environments,' said Richard Villars, director of **network** architecture at International **Data** Corp., Framingham, Mass.
According to Lynn Nye Jr., director of product marketing at Irvine, Calif.-based Sync, the 6700 provides users an alternate method to...

6/3,K/33 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01111135 Supplier Number: 42482682 (USE FORMAT 7 FOR FULLTEXT)
The sound of movies: brought to you by T1
Communications News, p46
Nov, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 397

... one of tying everything together as though it's under one roof. The T1 lets us do that. It allows us to have an integrated **network** of voice, **data** , and now **audio** and machine **synchronization** ."
Skywalker **Sound** uses Dolby Labs equipment to digitize the **audio**

and compress it into a data stream for transmission over a T1. The company also has a way to control tape machines and projectors so that **sound** sent from one location will stay in **sync** with a projector at another location.

"During the post-production of Backdraft, for example, we were able to work with the director, Ron Howard, even...

6/3,K/34 **(Item 12 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
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01589084 Supplier Number: 41953390 (USE FORMAT 7 FOR FULLTEXT)
Philips adapts MPEG
Electronic Engineering Times, p44
March 25, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 904

... design is robust enough to serve in any number of coming digital audiovisual distribution schemes, transferring data via cable, telephone [illegible], satellite or local-area **network** .

A layered **data** -transport architecture in Philips' system ensures that broadcasters, cable operators and data-services companies will have several logical points to piggyback their data on the primary MPEG++ 1.5-Mbyte/second data stream.

Audio is handled using the Masking Pattern Adapted Universal Subband Integrated Coding and Multiplexing (Musicam) **audio** data frame. Musicam has been adopted by the MPEG ISO committee as its preferred means of conveying **sound** in **sync** with digital video streams. As many as four digital **audio** channels of CD-quality **sound** are supported, arranged in pairs for stereo audio.

Transmitter modulation is achieved using spectrally shaped quadrature amplitude modulation (SS-QAM). The approach is intended to...

6/3,K/35 **(Item 1 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07592624 SUPPLIER NUMBER: 16497936 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A-T-M spells switching success. (asynchronous transfer mode)
Levy, Roger
America's Network, v98, n22, p66(3)
Nov 15, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1351 LINE COUNT: 00114

... packets addressed to other destinations are interspersed randomly, the interval between packet arrival at a given destination will vary, depending on the number of interspersed **packets** . In a **network** intended to handle only digital data, small variations in packet intervals are not important. But multimedia is another story--sight and **sound** must be **synchronized** . Viewers would be dissatisfied with a video program that appeared to hesitate or jump ahead, which would happen if packet intervals varied. Thus, bits must...

6/3,K/36 **(Item 2 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07590628 SUPPLIER NUMBER: 16488222 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM seeks hipper image with OS/2 V3.
Chin, David
Computer Dealer News, v10, n21, p12(1)
Oct 19, 1994

ISSN: 1184-2369 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 684 LINE COUNT: 00053

... 32-bit applications. Video and peripheral device drivers are included.

And OS/2 provides multimedia support for Photo CD, video conferencing, MPEG and 32-bit **audio** -video playback and **synchronization** . NetWare, LAN Server, **TCP / IP** and Whiteboard document sharing are also supported.

The operating system comes bundled with a BonusPak that features such applications as a word processor, spreadsheet, database, graphics, phonebook, PIM and Fax.

Extensive connectivity capabilities are also available in the BonusPak with CompuServe access software and **Internet** utilities such as NewsReader, Gopher, Telnet and FTP.

"We're anxious to find out what happens with (Internet usage) when we ship 10 million copies...

6/3,K/37 **(Item 3 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07589179 SUPPLIER NUMBER: 15935634 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Avistar(TM) visual collaboration system debuts; new cross-platform video collaboration system shatters quality and affordability barriers; alliances with Apple, Starlight and CLI announced; early financial services users laud new system.
Business Wire, p12050023
Dec 5, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1547 LINE COUNT: 00149

... Quality Video with No Performance Sacrifice

Avistar uses existing unshielded twisted-pair wires to deliver video over a switched network that co-exists with standard **packet** -based **data networks** . As a result, Avistar delivers TV-quality, 30 frames-per-second video and fully **synchronized audio** with minimal impact on **data networks** .

The system uses **TCP / IP** on the **data network** to set up videoconferencing calls, transmit document conferencing information, and terminate calls, all of which typically consume less than one percent of LAN bandwidth in...

6/3,K/38 **(Item 4 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07326128 SUPPLIER NUMBER: 15655673
Transport and display mechanisms for multimedia conferencing across packet-switched networks. (Special Issue: A Multi-Dimensional View of Multimedia)
Jeffay, K.; Stone, D.L.; Smith, F.D.
Computer Networks and ISDN Systems, v26, n10, p1281(24)
July, 1994
ISSN: 0169-7552 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: A multimedia transport protocol (MTP) which supports real-time audio/video transmission during multimedia conferencing across **packet** -**switched networks** has been developed. The protocol uses queuing, error correction and network congestion monitoring mechanisms together with a facility for varying **audio** -video **synchronization** . It is a 'best effort' protocol which controls the negative effects of jitter, packet loss and load variation. The MTP supports computer videoconferencing through small ...

6/3,K/39 **(Item 5 from file: 148)**

...230 SUPPLIER NUMBER: 16074756 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An integrated modeling framework for evaluating hub-and-spoke networks in truckload trucking.
Taha, Tarek T.; Taylor, G. Don
Logistics and Transportation Review, v30, n2, p141(26)
June, 1994
ISSN: 0047-4991 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8255 LINE COUNT: 00677

... the venture. We are also completing work on the optimization and statistical analysis modules, so that subsequent experimentation can produce more competitive results relative to **baseline** methods that can be validated by **sound** statistical analysis.

Current research is also concerned with fully integrating the software system components, as much as possible, into a truly user-friendly tool. The procedural **data** base generator (**network** builder), which directly drives the simulation system, is a strong step in this direction. Our future goals also include the desire to keep the research...

6/3,K/40 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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...7999 SUPPLIER NUMBER: 14589888 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Jean-Michel Jarre carries 'Son Et Lumiere' torch. (French keyboardist) (Pro Audio)
Lethby, Mike
Billboard, v105, n46, p88(1)
Nov 13, 1993
ISSN: 0006-2510 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1138 LINE COUNT: 00088

... major rock shows.

Jarre and his seven-piece band are accompanied by Studer A820 and Sony 3348 digital multitrack tape machines, coordinated by a MicroLynx **synchronizer** . As well as backing **sound** effects, the multitracks provide a timecode track that cues projectors, lights, and computer-controlled lasers through an AES/EBU **data** **network** . Still and moving film images are projected on a backdrop of huge white screens arranged to represent a city skyline.

UNIQUE LOCALES

Eric Alvergnat, chairman...

6/3,K/41 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06222038 SUPPLIER NUMBER: 13978854 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Multimedia changing role of video professionals. (Multimedia Magic: How Expert Producers Do It)
...t, Robert; Hutzel, Inge
...ter Pictures, v10, n5, pS20(3)
Sept-Oct, 1992
ISSN: 0883-5683 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1209 LINE COUNT: 00106

... the expectations of some content producers, full-featured systems will emerge within the next four to five years.

Increasing the bandwidth of private and public **networks** to accommodate **data** transfer and **synchronization** requirements of multimedia will make electronic distribution of digital **audio** and video possible.

What does all this mean to the professional videographer? Even with

simpler and more integrated applications, the need for creative and talented...

6/3,K/42 **(Item 8 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05921176 SUPPLIER NUMBER: 12682171 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Multimedia producers deman high-quality MIDI music. (Musical Instrument Digital Interface)
Lehrer, John
Computer Pictures, v10, n3, p42(2)
May-June, 1992
ISSN: 0883-5683 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1290 LINE COUNT: 00102

... Pelham, N.Y, offers sequencing software for PCs at three levels: Sequencer Plus Junior ($70), which includes essential features for recording, playing, arranging and editing **MIDI** song files; Sequencer Plus Classic ($170), a professional sequencer that can **synchronize music** to SMPTE time code; and Sequencer Plus Gold ($300), which has all the features of Classic, plus a **MIDI network** organizer, librarian, and **data** analyzer.
ProMedia Technologies, San Francisco, introduced in February a $495 16-bit CD/DAT quality add-in card, the Audio Canvas XA-16, for the...

6/3,K/43 **(Item 9 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04162617 SUPPLIER NUMBER: 08307083 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Interactive and videodisc products and services. (directory)
Optical Information Systems, v9, n6, p1(12)
Nov-Dec, 1989
DOCUMENT TYPE: directory ISSN: 0886-5809 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 6206 LINE COUNT: 00609

... Mathetics Corporation Maritz Communications Company Mark L. Layton Productions Massachusetts Mutual Life Insurance Company Masters & Associates MCE Educational Programming McLean Media Media Learning Systems Media **Sync** , Inc. Meta Training Design Inc. Miami-Dade Community College Michael J. Petro Ltd Michael Naimark Micro Training Associates, Inc. **Midi** , Inc. Miracle Concepts, Inc. MMCT Mohacs International MyKey, Inc. National Computing Centre (NCC) National Film Board of Canada National Westminster Bank NATO, Scientific Affairs Division, Advanced Educational Technology Nebraska Interactive Video, Inc. **Network Data** System, Inc. New MEdia Graphics Corporation New York Institute of Technology Nicholson and Cutrona Ninety River Associates North Communications Northbrook College Northrop Corporation Nova University...

6/3,K/44 **(Item 10 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

02325845 SUPPLIER NUMBER: 03730472 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NAB '85. (convention preview, complete agenda & guide to exhibits)
Broadcasting, v108, p57(37)
April 15, 1985
ISSN: 0007-2028 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 32563 LINE COUNT: 02819

... Madison Ave., Suite 1406, New York 10016 Shintron Co. 1417 144 Rogers St., Cambridge, Mass. 02142
Component/composite switchers, distribution amplifiers, routing

switchers, component frame **synchronizer** , **audio** mixers, intermatrix converter, **data network** . Shively Labs 623 71 harrison Rd., Bridgeton, Me. 04009

Filter combiner system, FM broadcast antenna, Sira TV antennas, coaxial transmission line, RF patch panels, VSWR...

6/3,K/45 **(Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00946848 95-96240
Publishing products help users explore the 'net: Interleaf taps HTML technology to boost access
Booker, Ellis
Computerworld v28n48 PP: 97-100 Nov 28, 1994
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 501

...TEXT: makes point-and-click cruising through World-Wide Web servers on the Internet possible.

Web servers are by far the fastest growing part of the **Internet** --moving from 500 sites a year ago to 5,000 today, with 50,000 sites expected by the end of next year. The appeal of the Web is its ability to present multimedia content text, graphics, images and even **audio** and video--in a hypertext environment.

New contender

Earlier this month, **Interleaf** , Inc., a major document management player, entered the fray with its announcement of Cyberleaf, a desktop tool for creating and managing Web pages.

Cyberleaf's...

6/3,K/46 **(Item 2 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00929791 95-79183
Video smorgasbord turns heads at TeleCon show
Messmer, Ellen
Network World v11n43 PP: 18 Oct 24, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 585

...TEXT: codec vendors and software developers for its Lakes channel-manager architecture. Lakes defines a way to synthesize videostreams, datastreams and audiostreams over multiple networks, including **TCP** / **IP** , Novell, Inc.'s IPX, ISDN and Advanced Program-to-Program Communications links.

The Lakes middleware, with its data-protocol conversion software that sits in the desktop video PC, offers a way to **synchronize audio** -, video-and data-sharing applications so that motions and speech seem natural, even when signals are shipped across multiple types of networks, said Bob Rittle ...

6/3,K/47 **(Item 3 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00848340 94-97732
Starlight enhances digital video server with more users, capacity
Burns, Christine

Network World v11n9 PP: 15 Feb 28, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 529

...TEXT: data on the LAN, Starlight President Jim Cole said the company has plans to produce a gateway in the future that will enable delivery of **synchronized audio** and video **data** throughout an enterprise **network** .

"The video handoff between the LAN and the WAN is a crucial point of delivery of multimedia throughout an enterprise, so it's going to...

6/3,K/48 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00839229 94-88621
Van Jacobson keeps communications channels open
Borsook, Paulina
Network World v11n12 PP: 51 Mar 21, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 1283

...TEXT: researcher at Xerox Corp.'s Palo Alto Research Center to coinvent [illegible] mechanism that allow for smooth delivery of audio data over the [illegible] **TCP / IP** -based **Internet** .

People can generally tolerate jerkiness in video transmission and can wait for a screen to fill in with data, but they cannot tolerate speech that is erratic and herky-jerky. VAT helps keep **audio** in **sync** with video and other data in a conference by computing how long packets take to arrive and then slowing down voice replay accordingly.

The IETF...

6/3,K/49 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00798068 94-47460
ATM in the wings for multimedia
Bestel, John; Ditty, Lynn; Sherfey, Jay
Computer Technology Review v13n13 PP: 44 Nov 1993
ISSN: 0278-9647 JRNL CODE: CTN
WORD COUNT: 1092

...TEXT: if it is a less than ideal solution for their application. However, rapid technological development makes the choice increasingly difficult.

All information carried over digital **networks** , whether simple **data** or real-time video, consists of a series of ones and zeros. What differentiates real-time video applications from other ones and zeros is its time sensitivity. Consider, for example, a video telephone. To be considered of value, such a phone circuit must deliver the **audio** and video portions of the signal with some degree of **synchronization** between sight and **sound** . This is true even when sight and **sound** are not combined as they barrel through the network. Real-time video, for example, requires that each pixel arrive at the receiver in the proper...

6/3,K/50 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00791306 94-40698
Wireless LANs: Standard for wireless LANs move one step closer

Burns, Christine
Network World v10n47 PP: 21-25 Nov 22, 1993
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 717

...TEXT: to communicate with one another via a central point of control on a wired net, such as a hub. This technique is also needed to **synchronize audio** and video data when time-sensitive multimedia files are sent over the airwaves and helps to monitor **data** integrity across large **networks** .

DFWMAC will support two types of peer-to-peer wireless LANs: ad hoc LANs used by groups of users to hold impromptu meetings and infrastructure...

6/3,K/51 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00[illegible]936 94-08322
RT OS ideal for multimedia apps
Miller, Eric
Computer Technology Review v13n9 PP: 12 Aug 1993
ISSN: 0278-9647 JRNL CODE: CTN
WORD COUNT: 899

...TEXT: bit streams can come from a variety of sources including CD-I, CD-ROM, hard disks, cameras capturing live video, and local and wide area **networks** .

The high-speed **data** streams that feed the decoder must be managed in real-time to ensure that video and **audio** reach the proper destination in **synchronization** . Simply stated, video and the accompanying **audio** must be played back at exactly the same rate at which they were recorded with near perfect **synchronization** . A time shift of more than 10 msecs between video and the **audio** track results in something that resembles a badly dubbed movie.

A system must handle all sources of video independently yet simultaneously, and still perform other...

6/3,K/52 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00697532 93-46753
Preparing for the multimedia mix
Dubois, Jeff
Network World v10n17 PP: 36-39+ Apr 26, 1993
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 3307

...TEXT: offered by Fluent, Inc. of Natick, Mass. The company's FluentLinks dynamically adjusts video data rates to match available bandwidth while maintaining a clear and **synchronized** delivery of **audio** .

On the client side, Fluent's video Producer lets users control video data rates at the time of recording. Fluent says that with its technology, a standard Ethernet segment can support four to 12 users with 12 to 30 **frame** /sec video.

StarLight **Networks** , Inc. of Mountain View, Calif., is taking a somewhat different approach. The company's StarWorks software, which runs on an Intel 80486-based PC with an Extended Industry Standard Architecture bus, supports Macintosh and PC clients using a variety of video standards including DVI, **Audio** Visual **Interleave** , QuickTime, Joint Photographic Experts Group and MPEG.

...Works supports up to 20 simultaneous users on AppleShare, Microsoft LAN Manager, NetWare and Sun Network File System...

6/3,K/53 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00634671 92-49611
Managers Look to Multimedia Future
Eckerson, Wayne
Network World v9n35 PP: 25, 31 Aug 31, 1992
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 561

...ABSTRACT: will fuel the growth of networked multimedia: education and training, personal communications, kiosk and business presentations, and information repositories. One problem facing networked multimedia is **synchronizing** video and **audio** segments. Most users today run parallel **networks** in which **data** , video, and **audio** run on separate networks.
...
...TEXT: applications. ATM supports fixed-length cells and speeds up to 16 bit/sec, as well as connectionless channels for data and connection-oriented channels for **audio** and video.

Another problem facing networked multimedia is **synchronizing** video and **audio** segments. Most users today run parallel **networks** in which **data** , video and **audio** run on separate networks.

The reports also said that toward the end of the decade, many companies will run multimedia applications across public networks that...

6/3,K/54 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00564621 91-38975
Pac Bell Reaching Out After Ruling
Bozman, Jean S.
Computerworld v25n31 PP: 16 Aug 5, 1991
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 703

...TEXT: ISDN sites at California central-office switching points, boosting the number from 35 sites in 1990 to 68 by year's end.

The post-1995 **packet - switched network** will have to synchronize the delivery of disparate types of data "that will zip through the central switch and then arrive at the workstation screen in a **synchronized** fashion," Chang said. Among the types of data to be combined are images, text and **sound** .

...is akin to chopping a personal letter up into pieces and ...each piece separately to be assembled at its destination. "If it...

6/3,K/55 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0530586 94-85260
U.S. patent allowed for C-Phone Video Conferencing technology
Albritton, Paul
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 940916
WORD COUNT: 300
DATELINE: Wilmington, NC, US

TEXT:

...other video phone and video conference users worldwide. All calls made within the network feature television quality video (30 frames per second, full screen) with **synchronized** , full fidelity **sound** . The C-Phone system allows dozens of simultaneous video calls to be made in each workgroup without degrading the **data network** 's performance.

Target Technologies Inc., a North Carolina telecommunications manufacturer, had its initial public offering in August 1994. Shipment of C-Phone hardware and software...

6/3,K/56 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0430298 BW1027

TARGET TEC CFON PATENT: U.S. patent allowed for C-Phone Video Conferencing technology

September 16, 1994

Byline: Business Editors

...other video phone and video conference users worldwide. All calls made within the network feature television quality video (30 frames per second, full screen) with **synchronized** , full fidelity **sound** . The C-Phone system allows dozens of simultaneous video calls to be made in each workgroup without degrading the **data network** 's performance.
Target Technologies Inc., a North Carolina telecommunications manufacturer, had its initial public offering in August 1994. Shipment of C-Phone hardware and software...

6/3,K/57 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0372411 BW076

NOVELL 2: Novell advances networked multimedia with debut of NetWare Video 1.0

November 30, 1993

Byline: Business Editors and Computer Writers

...user. Utilizing patent-pending scalable packet video technology developed by Novell, NetWare Video 1.0 separates video and audio data streams and dynamically adapts video **data** rates to available **network** bandwidth and number of users. The best possible video quality is then delivered to the desktop with fully **synchronized audio** . For applications requiring the highest quality video, the network can be optimized to deliver complete video data using star topologies, switching hubs, and dedicated video...

6/3,K/58 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01138438 CMP ACCESSION NUMBER: NWCS0036
Centra Software Symposium 1.0 (Collaborative Computing)
NETWORK COMPUTING, n 817, PG154

JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Fast and Furious
WORD COUNT: 168

TEXT:
... its first product: Symposium 1.0, a Java-based product. Symposium enables the delivery of live instructor-led training and self-paced learning via corporate **intranets** and the **Internet** . It delivers time-sensitive information and training to a geographically dispersed workforce. Written entirely in Java, Symposium 1.0 enables real-time training and group collaboration from your Web browser and features **synchronized** viewing of multimedia content, integrated **audio** streaming , text chat and shared whiteboard. The BodyLanguage capability lets students raise their hands, respond "yes" or "no" and provide feedback to the group. The...

6/3,K/59 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01037381 CMP ACCESSION NUMBER: OST19941212S0052
Avistar Cross-Platform Video Bows-Collaboration System Runs On Own Network, Doesn't Interfere With Corporate LAN (Product Briefs)
Karyl Scott
OPEN SYSTEMS TODAY, 1994, n 165, PG30
PUBLICATION DATE: 941212
JOURNAL CODE: OST LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Client-Server Environments
WORD COUNT: 414

... existing corporate LAN,'' said Bruce Mitchell, president of Avistar. ``There's concern that video will interfere with corporate data on the LAN.''
The system uses **TCP / IP data networks** to set up videoconferencing calls and to transmit document conferencing information-typically taking less than 1 percent of the LAN's bandwidth.
Avistar provides TV-quality full-motion video at 30 frames per second-the standard used by commercial broadcast networks-and fully **synchronized audio** .
The system uses a client-server architecture that consists of three client modules-the directory, videoconferencing, and Shareboard-and runs server software that consists of...

6/3,K/60 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01028351 CMP ACCESSION NUMBER: CWK19940912S0072
Task Force Set to Transform the Internet With New IP (Mier's Network Notes)
GRAHAM FINNIE
COMMUNICATIONSWEEK, 1994, n 522, PG48
PUBLICATION DATE: 940912
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Internetworking
WORD COUNT: 1140

... network that already carries conferences between hundreds of sites in about 15 countries, is the main conduit for such multimedia traffic. M Bone shares the **Internet** 's physical media but uses a parallel system of dedicated multicast routers and ``tunnels.''
The Catch?
No matter how **audio** and video are pumped over the **Internet** , it

does not always work. Pictures break up, voice is out of **synch** with video and connections are unexpectedly dropped.

The problem arises because the **Internet** is based on **packet switching** , not circuit switching. All bit streams are split into frames of varying lengths and sent separately. The packets may arrive in a different order, or...

6/3,K/61 **(Item 4 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01027243 CMP ACCESSION NUMBER: CRN19941017S0086
OS/2 Warp takes aim at Windows - Adds multimedia support, access to CompuServe, Internet (THE CRN INTERVIEW ROSS COOLEY)
BARBARA DARROW
COMPUTER RESELLER NEWS, 1994, n 600, PG297
PUBLICATION DATE: 941017
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: NEWS
WORD COUNT: 331

... days, said Wally Casey, director of marketing for PSP, Austin, Texas.

Warp, with its ambitious bundle of applications-including easy access to CompuServe and the **Internet** , support for full-motion video and **synchronized audio** -impressed attendees of the introduction. But Rick Sherlund, partner with Goldman Sachs & Co., New York, viewed this as ``a Beta vs. VHS battle. Sony's...

6/3,K/62 **(Item 5 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01022328 CMP ACCESSION NUMBER: OST19940606S2062
Even Radio Programs Are Taking To The Net
Mitch Wagner
OPEN SYSTEMS TODAY, 1994, n 151, 38
PUBLICATION DATE: 940606
JOURNAL CODE: OST LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Networking
WORD COUNT: 656

... Radio.

The difference between these and other radio stations is that the programs don't go over the airwaves. Instead, they're sent over the **Internet** using technology called "multicasting." Signals are sent out over the **Internet** in lockstep, designed to be received by workstations and converted into **synchronized audio** and video files.

The marriage of new technology with older forms of programming has created new challenges for programmers (not the computer kind, but rather the people who figure out what kinds of radio selections to offer), and has also stretched the limits of **Internet** technology, said Carl Malamud, president of the Internet Multicasting Service.

"Every new medium has analogies to the past," said Malamud. "Some things are the same...

6/3,K/63 **(Item 6 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01021222 CMP ACCESSION NUMBER: NWC19940701S0940
Let's Meet Desktop to Desktop
Barry Quiat and Timothy Haight

NETWORK COMPUTING, 1994, n 508
PUBLICATION DATE: 940701
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 2930

... can be used effectively to supplement voice telephone calls, monitor remote facilities or view designs that require live pictures, documents or drawings. But products with **synchronized audio** and video make for much more personal interaction than IBM's version of silent film under Windows. We tested Person to Person over NetBIOS, but we never got it working over **TCP / IP** . IBM is still trying to help us with this problem. The NetBIOS was easy to install. We quickly were able to begin sharing documents and...

6/3,K/64 **(Item 7 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01017870 CMP ACCESSION NUMBER: CWK19940124S0969
Conferencing Systems Enhanced
MARGIE SEMILOF
COMMUNICATIONSWEEK, 1994, n 489, 20
PUBLICATION DATE: 940124
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Network Applications
WORD COUNT: 524

... encourage third-party development of custom features for InSoft applications.

InSoft's new enhancement, an algorithm called InSoft InSync, helps network managers set parameters for **audio** and video **synchronization** . InSync balances traffic loads on CPUs and **networks** , and also balances **frame** rates, compression ratios and sampling rates. Managers can adjust frame rates and compression levels to adjust to the amount of traffic on the network.

InSync...

6/3,K/65 **(Item 8 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

00588467 CMP ACCESSION NUMBER: EET19910325S1354
Philips adapts MPEG
RICHARD DOHERTY
ELECTRONIC ENGINEERING TIMES, 1991, n 634, 44
PUBLICATION DATE: 910325
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: news - government
WORD COUNT: 966

... design is robust enough to serve in any number of coming digital audiovisual distribution schemes, transferring data via cable, telephone connection, satellite or local- area **network** .

A layered **data** -transport architecture in Philips' system ensures that broadcasters, cable operators and data-services companies will have several logical points to piggyback their data on the primary MPEG++ 20-Mbyte/second data stream.

Audio is handled using the Masking Pattern Adapted Universal Subband Integrated Coding and Multiplexing (Musicam) **audio** data frame. Musicam has been adopted by the MPEG ISO committee as its preferred means of conveying **sound** in **sync** with digital video streams. As many as four digital **audio** channels of CD-quality **sound** are supported, arranged in

pairs for stereo audio.

Transmitter modulation is achieved using spectrally shaped quadrature amplitude modulation (SS-QAM). The approach is intended to...

6/3,K/66 (Item 9 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00543873 CMP ACCESSION NUMBER: VAR19931001S2225
GROWING UP ON THE LAN - Amid Glowing Forecasts and a Glut of Enabling Technology, Networked Multimedia Enters the VAR Channel
GLENN HARTWIG
VARBUSINESS, 1993, n 916 , 72
PUBLICATION DATE: 931001
JOURNAL CODE: VAR LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: MULTIMEDIA
WORD COUNT: 2876

... time.

Some scenarios simplify this strategy still further. The Fluent/ Novell Multimedia approach bypasses the need for the smart switch by dynamically scaling the video **data** to the available **network** bandwidth. This, the company claims, lets motion video with **synchronized audio** be maintained even under heavy load conditions over standard Ethernet links. Indeed, when Novell acquired Fluent, its purchase announcement stated its intention to "leverage Fluent...

6/3,K/67 (Item 10 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00543470 CMP ACCESSION NUMBER: OST19931115S1821
SPARC To Get Affordable Multimedia
Philip J. Gill
OPEN SYSTEMS TODAY, 1993, n 137
PUBLICATION DATE: 931115
JOURNAL CODE: OST LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: sun focus
WORD COUNT: 1944

... PSVC software runs on SPARCstations using one of the Parallax video cards, and provides full-motion color videoconferencing for $995. It supports conferencing across Ethernet/ **TCP** / **IP** LANs and ATM networks for high-speed WAN connections.

Paradise's managing partner, John Malleo-Roach, believes the PSVC software delivers higher video performance and better **audio synchronization** than competing videoconferencing software, but noted that he could not back up his claim with benchmarks or tests.

Malleo-Roach's partner, Perry Randise, said...

6/3,K/68 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

041248
An alternative for multipoint videoconferencing
Byline: Kristin Marks
Journal: Network World Page Number: 51
Publication Date: December 05, 1994
Word Count: 538 Line Count: 49

Text:
Bandwidth blues got you down? If the thought of putting one more **packet**

on your overburdened **network** cable gives you the chills, consider installing a separate video network. Datapoint Corp. (yes, the ARCnet people) have a scalable line of videoconferencing products that run on their own cable. The really good news is that you get studio-quality video - no jerky images or out-of- **synch** **audio** . You get multipoint, full-screen, full-motion, 30 frame/sec video to the desktop for any local conference. ISDN and switched 56K bit/sec wide...

6/3,K/69 (Item 2 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

036714
Letters
Journal: Network World Page Number: 41
Publication Date: April 25, 1994
Word Count: 1100 Line Count: 101

Text:
... international standard (the Moving Picture Experts Group-1 system specification) defines a packetized, digital bit stream for real-time delivery of compressed motion video and **synchronized** **audio** data. Products offering real-time delivery of MPEG-1 compressed video and **audio** over Ethernet, token-ring and other **packet - switched** **networks** have been commercially available for more than a year. The high-definition capable MPEG-2 specification, which is rapidly approaching official standard status (estimated to...

6/3,K/70 (Item 3 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

036082
Profile: Van Jacobson keeps communications channels open
Network Innovators
Byline: Paulina Boorsook
Journal: Network World Page Number: 51
Publication Date: March 21, 1994
Word Count: 1292 Line Count: 119

Text:
... researcher at Xerox Corp.'s Palo Alto Research Center to coinvent VAT, a mechanism that allow for smooth delivery of audio data over the bursty **TCP / IP** -based **Internet** .

People can generally tolerate jerkiness in video transmission and can wait for a screen to fill in with data, but they cannot tolerate speech that is erratic and herky-jerky. VAT helps keep **audio** in **sync** with video and other data in a conference by computing how long packets take to arrive and then slowing down voice replay accordingly.

The IETFs...

6/3,K/71 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire

1391579 a9019
Global Media offers 'At No Charge' entire E-commerce 'Home Shopping Theater' website; Download 'The Store for Free'

DATE: December 14, 1919 13:26 EST WORD COUNT: 968

... Inc., their tools and their products. The service will utilize the RealNetworks - System G2 as well as the Real Broadcast Network to create and deliver **synchronized** **audio** and video images as well as streams of entertainment information (see website at http://www.globalmediacorp.com).

President of Global Media, Michael Metcalfe said "this changes the **Internet** commerce playing field in a very big way. At absolutely no cost except for a custom front page web design for the licensee and some...

6/3,K/72 **(Item 1 from file: 634)**
DIALOG(R)File 634:San Jose Mercury

07637015
HE'S YOUNG, HE'S HOT, AND HE'S HERE TECH'S LATEST PRODIGY -- ARMED WITH BIG-TIME BACKING AND FINANCING -- IS TRYING TO UNLOCK THE POWER OF THE INTERNET
San Jose Mercury News (SJ) - Monday, May 16, 1994
By: DAVID BANK, Mercury News Staff Writer
Edition: Morning Final Section: Business Page: 1D
Word Count: 1,705

...role in delivering multimedia information and entertainment.

To do that, the software will have to be upgraded to be able to deliver full-motion video, **synchronized sound** and other features.

Other companies are also trying to develop the next generation. At least nine companies have licensed the software and others, including Microsoft, are developing their own **Internet** navigators.

01630689 SUPPLIER NUMBER: 14614522 (THIS IS THE FULL TEXT)

Novell screens NetWare Video NLM for Windows. (desktop video software) (NetWare Loadable Module; Microsoft Windows) (Product Announcement)

Smalley, Eric

PC Week, v10, n48, p18(1)
Dec 6, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 458 LINE COUNT: 00036

ABSTRACT: Novell Inc's NetWare Video brings desktop video to workstations on local area networks (LAN) running the NetWare network operating system. This NetWare Loadable Module (NLM) is priced at $1,100, $1,990 and $2,975 for 5-, 10- and 25-user licenses, respectively. NetWare Video contains a client component that works with the server to control the transmission of video data, which is stored on the server rather than individual workstations. Video files may be accessed with any Video for Windows application, and will transmit over Ethernet, Token-Ring and fiber-distributed data interface (FDDI) networks. This software utilizes Intel Corp's Indeo technology, which enables 80486- and Pentium-based microcomputers to play video without extra hardware. Novell plans to support Apple's QuickTime video format in future releases.

TEXT:

WELLESLEY, Mass. -- Novell Inc. last week announced video software for NetWare designed to make video readily accessible to millions of LAN users.

NetWare Video 1.0, which begins shipping this week, is an NLM (NetWare Loadable Module) for NetWare 3.x and 4.x servers that provides video storage and playback. A client component works with the NLM to control the rate of video transmission to the desktop. The package will work over Ethernet, Token-Ring, or FDDI networks, said Novell officials at a press conference here.

NetWare Video allows users to store video files on a NetWare server and access them from any Video for Windows application, according to Neil Morris, vice president and general manager of the Provo, Utah, company's multimedia division.

Novell plans to include support for Apple Computer Inc.'s QuickTime format in a future release. However, a Unix video standard will have to be developed before Novell can extend NetWare Video to UnixWare, according to Novell officials.

NetWare Video 1.0 is the first in a series of video products Novell intends to develop, according to Richard King, executive vice president and general manager of Novell's NetWare Systems Group. The second step is to provide live video -- from broadcast, cable, and in-house transmission -- over NetWare.

The third step for Novell will be desktop videoconferencing, said King. However, users will have to deploy 100M-bps Ethernet and ATM technology before videoconferencing over NetWare is feasible, he said.

Novell has licensed Intel's Indeo video-compression software for the client portion of NetWare Video. Indeo allows 486 or Pentium PCs to play video without additional hardware. Indeo currently supports quarter-screen video playback at 320 by 240 pixels and 15 fps (frames per second). Intel plans to boost that next year to 30 fps, according to Claude Leglise, video brand marketing manager for Intel. Intel plans to achieve broadcast-quality video resolution within three years, he said.

NetWare Video allows many users to access the video server simultaneously. The software reduces the frame rate of the video transmission, degrading video quality, to reduce bandwidth consumption as the load on the **network** increases. NetWare **Video** uses a **synchronization** scheme to maintain **audio** quality as the video quality is degraded. NetWare Video takes up 1M- to 2M-bps bandwidth for a single user with no other load on the **network** .

Novell will bundle NetWare Video with NetWare at some time in the

future as customer demand dictates, said Ferris.

NetWare Video 1.0 is available in 5-, 10-, and 25-user licenses priced at $1,100, $1,990, and $2,975, respectively. NetWare Video is offered through Novell's reseller channels.

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01342615 Supplier Number: 46117575 (THIS IS THE FULLTEXT)

AMERICA ONLINE, INC. ACQUIRES JOHNSON-GRACE; TECHNOLOGY BRINGS RICH GRAPHICS AND SOUNDS TO AOL AND THE WEB; ENHANCES INTERACTIVE EXPERIENCE FOR MILLIONS OF CONSUMERS CONNECTING AT LOW SPEEDS

PR Newswire, p0201DCTH043
Feb 1, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 747

TEXT:

VIENNA, Va., Feb. 1 /PRNewswire/ -- America Online, Inc. (Nasdaq-NNM: AMER) today announced the acquisition of Johnson-Grace, leading developers of data compression technologies. The technologies of Johnson-Grace allow publishers to create more engaging interactive content that includes graphics, streaming audio and slide shows. AOL intends to make the technology widely available to service providers and tools developers thereby allowing millions of consumers to enjoy rich sound and graphics both on the Web and commercial services at connection speeds of 14.4 kbps or lower.

The success of our medium depends on being able to deliver an ever-more engaging set of services that are fast and easy-to use," said Steve Case, Chairman and CEO. "The technology of Johnson-Grace will create an enhanced experience for content partners who want to enrich their publishing capabilities, and for a new class of consumers who can, for the first time, enjoy a rich interactive experience without frustrating and costly delays previously experienced by users at lower speeds."

Case added, "Despite all the talk about a bandwidth explosion driven by ISDN and cable modems, the reality is that the vast majority of consumers now connect at 14.4 and over the next 12 -24 months will connect at 28.8, so compression is critical to creating an engaging interactive experience for a mass consumer audience."

AOL plans to broadly license the J-G technology, known as ART, to strategic partners and content developers across the Internet. Additionally a Johnson- Grace SDK (Software Developers Kit) will be available to software application companies that wish to include support for the ART format in their applications.

ART will work within Internet scripting languages including HTML and VRML, offering information providers a single tool for compressing media for the Web and AOL. Instead of dealing with different compression formats for photos, graphics, streaming audio and MIDI, developers can use this single format will produce highly compressed files that will play on AOL and **Internet** websites at very low bandwidth. Plus the fidelity of the decompressed audio and pictures is superior to any other available technology. The ART format will also support RPictureshows,S collages of **pictures** and **graphics** **synchronized** to a streaming **audio** track. With picture shows, users could get the nightly news with photos and commentary from Bosnia, or visit an online store, talking to sales people and seeing products as they shop.

"We're thrilled to be joining forces with America Online," said Christopher Grace, co-CEO of Johnson-Grace. "The combination of America Online and Johnson-Grace will result in a new class of technology and services designed to empower AOL's partners to expand into more innovative publishing, while opening up access to broader base of consumers."

"Our combined engineering teams will continue to develop and integrate new technologies that make the online medium more engaging and easy to use," said Steve Johnson, co-CEO of Johnson-Grace.

Case added, "Additionally, we are excited to add the Johnson-Grace employees to the AOL family who include many of the industryUs leading experts on compression technology and can help lead the way in making online services and the Internet more easily accessible to consumers."

Johnson-Grace, a privately held company, has been a technology partner of AOL's since 1994 when it began providing the core compression technologies used to deliver the AOL service. As a result of this alliance, AOL acquired a 10% stake. Headquartered in Newport Beach, CA, Johnson-Grace

was founded in March 199[redacted] JG has 70 employees.

America Online acquired Johnson-Grace for approximately 1.6 million shares in stock. The merger will be effected as a tax-free exchange and accounted for as a pooling of interests.

America Online, Inc., (Nasdaq symbol: AMER), based in Vienna, Va., is the largest and fastest growing provider of online services in the world with more than 4.5 million subscribers. AOL offers its subscribers a wide variety of services including electronic mail, conferencing, software, computing support, interactive magazines and newspapers and online classes, as well as easy and affordable access to services of the Internet. AOL has a global workforce consisting of 4000 people. Founded in 1985, AOL has established strategic alliances with dozens of companies, including Capital Cities/ABC, Viacom, Bertelsmann, Hachette, IBM, Compaq and American Express. Personal computer owners can obtain America Online software at major retailers and bookstores, or by calling 800-827-6364.

30/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01972271 SUPPLIER NUMBER: 18593700
Videoconferencing arrives on the Internet. (includes table of product features) (PC Week Netweek) (Buyers Guide)
Sullivan, Kristina B.
PC Week, v13, n33, pN10(2)
August 19, 1996
DOCUMENT TYPE: Buyers Guide ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1350 LINE COUNT: 00111

ABSTRACT: Videoconferencing over the **Internet** has yet to mature, but large vendors are quickly catching up with the small vendors that originally pioneered the field. Videoconferencing on public networks suffers from jerky **video** and out-of- **sync audio** , but it costs much less than traditional conferencing solutions, and usage charges are also well below standard. Part of the problem lies in the nature of the **Internet** , where network speed cannot be guaranteed. The Resource Reservation Protocol (RSVP) and the Real-time Transport Protocol (RTP) are being developed to address the bandwidth...

30/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01921753 SUPPLIER NUMBER: 18179267 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PRECEPT HAS "FIRST GENERAL-PURPOSE SOFTWARE" FOR AUDIO-VISUAL PACKETS.
Computergram International, n890, pCGN04110010
April 11, 1996
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 353 LINE COUNT: 00032

TEXT:
...packets and sends them over the network via a WinSock interface. At the receiving end, it accepts incoming packets, turns them into frames, decompresses them, **synchronises video** and **audio** streams together, notes - and reports on - the quality of reception and issues prioritisation requests to allocate the necessary network resources. The suite consists of FlashWare Real-Time Transport Services and FlashWare Multimedia Services and an optional WinSock-compatible FlashStack 32-bit **TCP / IP** VxD protocol stack optimised for multimedia data. FlashWare can be installed as a Windows Media Control Interface driver and costs $250 for the client, $400...

30/3,K/3 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01464890 Supplier Number: 46965924 (USE FORMAT 7 FOR FULLTEXT)
OLiVR Announces Support for Netscape ONE Platform with OLiVR Viewer Plug-In for Netscape Navigator.
Business Wire, p12121051
Dec 12, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 998

... Using the Netscape One platform, an OLiVR movie can interact with audio, video and other multimedia file types. For example, an OLiVR on-line catalog **movie** can be **synchronized** with streaming **audio** delivered from the Netscape Media Server(TM), now in public beta. Alternately, clicking a Java-based audio file could trigger an OLiVR movie to run.
Users will be able to watch the movies using the Netscape Navigator

Internet software, which incorporates the OLiVR Viewer as a downloadable plug-in, available from Netscape's Plug-In Web page and at www.OLiVR.com For...

30/3,K/4 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01445994 Supplier Number: 46838459 (USE FORMAT 7 FOR FULLTEXT)
Street Technologies announces the ability to instantly run full-motion video on the Internet.
Business Wire, p10291167
Oct 29, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 321

... multi-language capability introduced by Street for the international marketplace
Street Technologies, Inc. (Street), having revolutionized the quality and speed of multimedia delivery over corporate **intranets** and the **internet** , has unveiled the capability to instantly run **synchronized** , full-motion **video** , **audio** , graphic animation and data. The player downloads in only 90 seconds allowing instant access to full-motion video and multimedia.
An advanced learning systems company...

30/3,K/5 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01440652 Supplier Number: 46809304 (USE FORMAT 7 FOR FULLTEXT)
INTELECT Communications Announces Advanced Product Releases and New Global Distribution Agreements for LAN Desktop Videoconferencing Systems
PR Newswire, p1017NYTH125
Oct 17, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 526

... integrators based in South America.
IVC provides leading-edge LAN/WAN visual communications systems based on Motion-JPEG video compression standards for near TV quality **video** and **synchronized audio** to the desktop through **TCP / IP** networks. IVC's unique VuBridge(TM) gateway product extends LAN videoconferencing capabilities to wide area communications and establishes interoperability with H.320-compliant systems.
"Video...

30/3,K/6 (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01363190 Supplier Number: 46258033 (USE FORMAT 7 FOR FULLTEXT)
Sigma Trimm introduces mass storage hardware for video and Web server applications at Networld+Interop.
Business Wire, p3291037
Oct 4, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 403

... and the entire array appears as one drive to the host computer.
The Mother Load is the optimal storage solution for intensive applications such as **Internet** Web servers, video-on-demand or

...-tolerant storage s... as RAID. For **video** **image** ...plications, ...ly **synchronized** **audio** and video can be stored and manipulated.
Sigma Trimm's new service program includes a service technician meeting the disk array at the user's...

30/3,K/7 (Item 5 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01342615 Supplier Number: 46117575 (USE FORMAT 7 FOR FULLTEXT)
AMERICA ONLINE, INC. ACQUIRES JOHNSON-GRACE; TECHNOLOGY BRINGS RICH GRAPHICS AND SOUNDS TO AOL AND THE WEB; ENHANCES INTERACTIVE EXPERIENCE FOR MILLIONS OF CONSUMERS CONNECTING AT LOW SPEEDS
PR Newswire, p0201DCTH043
Feb 1, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 747

... formats for photos, graphics, streaming audio and MIDI, developers can use this single format will produce highly compressed files that will play on AOL and **Internet** websites at very low bandwidth. Plus the fidelity of the decompressed audio and pictures is superior to any other available technology. The ART format will also support RPictureshows,S ...les of **pictures** and **graphics** **synchronized** to a streaming **audio** ...d. With picture shows, users could get the nightly news with photos and ...ry from Bosnia, or visit an online store, talking to sales people ...

30/3,K/8 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03327251 Supplier Number: 46840719 (USE FORMAT 7 FOR FULLTEXT)
STREET TECHNOLOGIES: Street Technologies announces ability to instantly run full-motion video on the net
M2 Presswire, pN/A
Oct 30, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 363

... multi-language capability introduced by Street for the international marketplace
Street Technologies, Inc. (Street), having revolutionized the quality and speed of multimedia delivery over corporate **intranets** and the **internet** , has unveiled the capability to instantly run **synchronized** , full-motion **video** , **audio** , graphic animation and data. The player downloads in only 90 seconds allowing instant access to full-motion video and multimedia.
An advanced learning systems company...

30/3,K/9 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03089159 Supplier Number: 46315191 (USE FORMAT 7 FOR FULLTEXT)
PRECEPT SENDS AUDIO-VISUAL DATA OVER PACKET NETS
Network Briefing, n220, pN/A
April 19, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 212

... takes in data streams, compresses them, converts them into packets

and sends them via a WinSock interface. At the receiving end, it reverses the process, **synchronises video** and **audio** streams together, notes reception quality, and issues prioritisation requests to allocate network resources.

The suite consists of FlashWare Real-Time Transport Services and FlashWare Multi-media Services and an optional WinSock-compatible FlashStack 32-bit **TCP / IP** VxD protocol stack optimised for multimedia. FlashWare can be installed as a Windows Media Control Interface driver and costs $250 for the client, $400 for...

30/3,K/10 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04508567 Supplier Number: 46622324 (USE FORMAT 7 FOR FULLTEXT)
Board meshes multimedia
Electronic Engineering Times, p94
August 12, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 497

Install it in a PC, hook it up to a camera and microphone, and you've got **synchronized video** and full-duplex **audio** to ship across the **intranet** or **Internet** for desktop video conferences, to drag as an icon into e-mail or insert in a Web page. And there's no particular restriction upon...

30/3,K/11 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04300762 Supplier Number: 46303613 (USE FORMAT 7 FOR FULLTEXT)
Applications tailored to talk on the Internet
Electronic Engineering Times, p38
April 15, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1547

... those kinds of applications, Microsoft provides higher-level APIs built on top of DirectX. Called the ActiveX set of APIs-a name shared with other **Internet** API services-those services are specifically tailored to the needs of handling multimedia data on the **Internet** . They are focused on the creation, processing, **synchronizing** and rendering of digital **video** , **audio** , music and captioning data. The actual set of data types is extensible. Two ActiveX services have been delivered so far: ActiveMovie and ActiveVRML.

New level...

30/3,K/12 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04290351 Supplier Number: 46287651 (USE FORMAT 7 FOR FULLTEXT)
Disney Gets Animated Over ATM Net
CommunicationsWeek, p001
April 8, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 860

... Disney programmers wrote the code that ties the three together.

Other challenges remain. One stumbling block, according to Kimball, is the studio's inability to **synchronize video** , **audio** and data frames

fully over the ATM network. Kimball would also like to see a performance [illegible] **TCP / IP** running over ATM and greater interoperability among [illegible] brands of ATM switches. As the technology matures, Kimball says, [illegible] optimistic these things will fall...

30/3,K/13 **(Item 1 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08892525 SUPPLIER NUMBER: 18590830
Board meshes multimedia. (Winnov's Videum board)(Product Announcement)
Lieberman, David
Electronic Engineering Times, n914, p94(1)
August 12, 1996
DOCUMENT TYPE: Product Announcement ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 548 LINE COUNT: 00046

...ABSTRACT: introduces Videum, an integrated audio/video capture-and-playback board. The device installs in a PC and connects with a camera and a microphone, yielding **synchronized video** and full-duplex **audio** that can be transmitted across **intranets** or the **Internet** . The product can be used for desktop video conferencing, or files can be dragged as icons into e-mail or inserted into a Web page...

Install it in a PC, hook it up to a camera and microphone, and you've got **synchronized video** and full-duplex **audio** to ship across the **intranet** or **Internet** for desktop video conferences, to drag as an icon into e-mail or insert in a Web page. And there's no particular restriction [illegible]...

30/3,K/14 **(Item 2 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08611883 SUPPLIER NUMBER: 18211079 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Applications tailored to talk on the Internet.(Special Report on Designing Computers) (Company Business and Marketing)
Osborne, Paul
Electronic Engineering Times, n897, p38(2)
April 15, 1996
ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1694 LINE COUNT: 00143

... those kinds of applications, Microsoft provides higher-level APIs built on top of DirectX. Called the ActiveX set of APIs-a name shared with other **Internet** API services-those services are specifically tailored to the needs of handling multimedia data on the **Internet** . They are focused on the creation, processing, **synchronizing** and rendering of digital **video** , **audio** , music and captioning data. The actual set of data types is extensible. Two ActiveX services have been delivered so far: ActiveMovie and ActiveVRML.

New level...

30/3,K/15 **(Item 3 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08594163 SUPPLIER NUMBER: 18182472 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Disney gets animated over ATM net. (case study) (Technology Information)
Girishankar, Saroja
CommunicationsWeek, n605, p1(2)
April 8, 1996
ISSN: 0746-8121 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 936 LINE COUNT: 00077

... Disney programmers wrote the code that ties the three together.

Other challenges remain. One stumbling block, according to Kimball, is the studio's inability to **synchronize video , audio** and data frames fully over the ATM network. Kimball would also like to see a performance boost for **TCP / IP** running over ATM and greater interoperability among different brands of ATM switches. As the technology matures, Kimball says, he is optimistic these things will fall...

30/3,K/16 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01220188 98-69583
Editorial
Hoke, Henry R; Hoke, Henry Reed III
Direct Marketing v59n1 PP: 80 May 1996
ISSN: 0012-3188 JRNL CODE: DIM
WORD COUNT: 1039

...TEXT: area networks, using personal computers for videoconferencing. The system also allowing users to view, edit and share online documentation, as well as access to the **Internet** , e-mail, color fax-mail and transfer media. The key issue here is that this system runs at 30 frames per second, which is real-time **video** with **synchronized audio** . Now, live and taped presentations, text and data can be easily transmitted via your computer at real time. Until now, the problems with computers sending...

30/3,K/17 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0746412 97-04939
INTELECT Communications announces advanced product releases and new global distribution agreements for LAN desktop videoconferencing systems
Gazioglu, Mary
PR Newswire (New York, NY, US) p1
PUBL DATE: 961017
WORD COUNT: 445
DATELINE: HamiltonBermuda

TEXT:

...integrators based in South America.

IVC provides leading-edge LAN/WAN visual communications systems based on Motion-JPEG video compression standards for near TV quality **video** and **synchronized audio** to the desktop through **TCP / IP** networks. IVC's unique VuBridge(TM) gateway product extends LAN videoconferencing capabilities to wide area communications and establishes interoperability with H.320-compliant systems.

"Video...

30/3,K/18 (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0719511 96-77986
Following the market ... From threat to opportunity
Butters, Jamie
Business First-Louisville (Louisville, KY, US), V12 N50 p13
PUBL DATE: 960715
WORD COUNT: 1,028
DATELINE: Louisville, KY, US, South Central

TEXT:

...a concept, developing a storyboard, writing a script, producing video and audio elements, managing a project--is almost identical to making videos.

And because moving **pictures** and **synchronized audio** are what makes CD-ROMs and the **Internet** exciting, videographers are in a great position to take advantage of the new technology.

So 18 months ago Williamson opened another business, ProMedia, to produce CD-ROMs and **Internet** sites.

Today, ProVideo, ProAudio and ProMedia all are under the umbrella of the ProMedia Group Inc., employing a total of 12 people. Williamson owns ProVideo...

30/3,K/19 **(Item 3 from file: 635)**
DIALOG(R)File 635:Business Dateline(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

0687577 96-44843
Sigma Trimm introduces mass storage hardware for video and Web server applications at Networld+Interop
Davis, Christine
Business Wire (San Francisco, CA, US) p1
PUBL DATE: 960329
WORD COUNT: 379
DATELINE: Las Vegas, NV, US, Mountain

TEXT:

...and the entire array appears as one drive to the host computer.

The Mother Load is the optimal storage solution for intensive applications such as **Internet** Web servers, video-on-demand or fault-tolerant storage such as RAID. For **video image** applications, fully **synchronized audio** and video can be stored and manipulated.

Sigma Trimm's new service program includes a service technician meeting the disk array at the user's...

30/3,K/20 **(Item 1 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01114265 CMP ACCESSION NUMBER: NTG19961201S0046
For The Ultimate Web Experience Maximum Multimedia - Sound , Video and Cool Graphics are Rocking on Today's Web - Learn About Everything You Need To Join The Party
Jose Alvear
NETGUIDE, 1996, n 312, PG70
PUBLICATION DATE: 961201
JOURNAL CODE: NTG LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 3910

... player. A small video window will appear only when video is actually playing.

As with most real-time video players, quality depends on your **Internet** connection and your computer. Audio is usually not in **sync** with **video ; audio** , however, is almost always very clear. You can adjust the audio and video settings so video quality will take precedence over audio. Still, with a...

30/3,K/21 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01099974 CMP ACCESSION NUMBER: EET19960812S0071
Board meshes multimedia
David Lieberman
ELECTRONIC ENGINEERING TIMES, 1996, n 914, PG94
PUBLICATION DATE: 960812
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design - Computers & Communications
WORD COUNT: 505

Install it in a PC, hook it up to a camera and microphone, and you've got **synchronized video** and full-duplex **audio** to ship across the **intranet** or **Internet** for desktop video conferences, to drag as an icon into e-mail or insert in a Web page. And there's no particular restriction upon...

30/3,K/22 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01087862 CMP ACCESSION NUMBER: EET19960415S0050
Applications tailored to talk on the Internet
[illegible] - Group Product Manager Internet Platform & Tools Division-Microsoft Corp. Redmond, Wash.
ELECTRONIC ENGINEERING TIMES, 1996, n 897, PG38
PUBLICATION DATE: 960415
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Designing Computers
WORD COUNT: 1565

... those kinds of applications, Microsoft provides higher-level APIs built on top of DirectX. Called the ActiveX set of APIs-a name shared with other **Internet** API services-those services are specifically tailored to the needs of handling multimedia data on the **Internet** . They are focused on the creation, processing, **synchronizing** and rendering of digital **video** , **audio** , music and captioning data. The actual set of data types is extensible. Two ActiveX services have been delivered so far: ActiveMovie and ActiveVRML.
New level...

30/3,K/23 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01086883 CMP ACCESSION NUMBER: CWK19960408S0005
Site Visit: ATM - Disney Gets Animated Over ATM Net
Saroja Girishankar
COMMUNICATIONSWEEK, 1996, n 605, PG01
PUBLICATION DATE: 960408
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Top Of The News
WORD COUNT: 858

... Disney programmers wrote the code that ties the three together.
Other challenges remain. One stumbling block, according to Kimball, is the studio's inability to **synchronize video** , **audio** and data frames fully over the ATM network. Kimball would also like to see a performance boost for **TCP / IP** running over ATM and greater interoperability among different brands of ATM switches. As the technology matures, Kimball says, he is optimistic these things will

fall...

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File   8:EI Compendex(R) 1970-2004/Feb W3
         (c) 2004 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2004/Jan
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File 438:Library Lit. & Info. Science 1984-2004/Jan
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Set     Items   Description
S1     437826   BASELINE OR INTERLEAV? OR INTERLEAF? OR INTER()(LEAV??? OR
              LEAF???) OR SYNC??? OR SYNCHRONIZ?????? OR SYNCHRONIS??????
S2        383   (METADATA OR META()DATA OR VIDEO OR MOVIE? ? OR FILM? ? OR
              ANIMATION OR TEXT??? OR CAPTION? ? OR IMAGE? ? OR GRAPHIC? ? -
              OR PICTURE? ? OR PHOTO? ? OR PHOTOGRAPH? ?)(5W)S1(5W)(AUDIO OR
               SOUND OR MUSIC OR MIDI)
S3     601143   INTERNET OR INTRANET? ? OR EXTRANET? ? OR TCP()IP OR IPX()-
              SPX OR PACKET(1W)SWITCH? OR (DATA OR PACKET? ? OR FRAME? ? OR
              DATAFRAME? ?)(3N)NETWORK??? OR ARPANET
S4    2204478   NETWORK???
S5        110   S2 AND S3:S4
S6         30   S5 NOT PY=1996:2004
S7         24   RD (unique items)
```

7/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04295623 E.I. No: EIP95122938547
Title: Multimedia synchronization for live presentation using the N-buffer approach
Author: Huang, Chung-Ming; Lee, Ruey-Yang
Corporate Source: Natl Cheng Kung Univ, Tainan, Taiwan
Conference Title: Proceedings of the 1995 International Conference on Network Protocols
Conference Location: Tokyo, Jpn Conference Date: 19951107-19951110
Sponsor: IEEE
E.I. Conference No.: 44004
Source: International Conference on Network Protocols 1995. IEEE, Los Alamitos, CA, USA,PR07216. p 244-251
Publication Year: 1995
CODEN: 85QDAI
Language: English
Document Type: CA; (Conference Article) Treatment: A; (Applications)
Journal Announcement: 9601W4
Abstract: The demand of bringing multimedia information systems into distributed environments makes multimedia synchronization more difficult. In order to eliminate the side effects result from delay jitters, we propose a bounded buffer allocation scheme, in which the audio stream adopts the blocking synchronization scheme and the **video** stream adopts the non-blocking **synchronization** scheme, for live **audio** and video presentations in this paper. The forward synchronization schemes are performed to overcome the asynchrony anomalies. Once some anomalies of presentations are detected, a forward re-synchronization scheme is triggered to eliminate the asynchrony anomalies. Neither a global clock nor a feedback mechanism is needed using the proposed method. Based on the proposed method, trade-offs between the presentation qualities and **networking** resources are mathematically calculated. According to these calculable trade-offs, users can derive their own (acceptable) presentation qualities of live video and live audio media based on their available **networking** resources. (Author abstract) 15 Refs.
Descriptors: *Synchronization; Storage allocation (computer); Buffer storage; Information retrieval systems; Feedback; Queueing theory; Resource allocation; Management information systems
Identifiers: Multimedia information system; Multimedia synchronization; Blocking scheme; Non-blocking schemes; Live presentation; Delay jitter management
Classification Codes:
731.1 (Control Systems); 722.1 (Data Storage, Equipment & Techniques); 903.3 (Information Retrieval & Use); 922.1 (Probability Theory); 723.2 (Data Processing)
731 (Automatic Control Principles); 722 (Computer Hardware); 903 (Information Science); 922 (Statistical Methods); 723 (Computer Software)
73 (CONTROL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

7/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04265270 E.I. No: EIP95102889002
Title: Prototype user interface for a mobile multimedia terminal
Author: Long, Allan Christian Jr.; Narayanaswamy, Shankar; Burstein, Andrew; Han, Richard; Lutz, Ken; Richards, Brian; Sheng, Samuel; Brodersen, Robert W.; Rabaey, Jan
Corporate Source: Univ of California at Berkeley, Berkeley, CA, USA
Conference Title: Proceedings of the Conference on Human Factors in Computing Systems. Part 2 (of 2)
Conference Location: Denver, CO, USA Conference Date: 19950507-19950511
E.I. Conference No.: 43724
Source: Human Factors in Computing Systems (CHI) - Conference Proceedings

v 2 1995. ACM, New York, NY, USA. p 81-82
Publication Year: 1995
CODEN: 002163
Language: English
Document Type: CA; (Conference Article) Treatment: A; (Applications)
Journal Announcement: 9512W1
Abstract: We have shown a prototype user interface for the InfoPad, a portable terminal with multi-modal input and multimedia output. We believe that many of the people who could benefit from inexpensive, portable, **networked** terminals are not computer experts, and we are therefore designing the InfoPad and its user interface to be more like a notebook than a workstation. The InfoPad's main features are: Portability Continuous **network** connectivity using a high-bandwidth radio link Pen input with handwriting recognition Audio input with speech recognition Full-motion **video** playback with **synchronized audio** The InfoPad's unique input and output characteristics offer challenges and opportunities for user interface design. We are prototyping applications and user interfaces to explore how handwriting and voice recognition may best be used together. We believe that the lessons we will learn can be applied to other multi-modal [illegible]. (Author abstract)
Descriptors: User interfaces; Computer **networks** ; Computer terminals; Human computer interaction; Radio links; Pattern recognition; Speech recognition
Identifiers: Mobile multimedia terminal; Handwriting recognition; Pen-based computing; Multi-modal input; Mobile computing
Classification Codes:
722.2 (Computer Peripheral Equipment); 722.3 (Data Communication, Equipment & Techniques); 461.4 (Human Engineering); 716.3 (Radio Systems & Equipment); 723.5 (Computer Applications)
722 (Computer Hardware); 461 (Biotechnology); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING); 46 (BIOENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS)

7/5/3 **(Item 3 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)

04186741 E.I. No: EIP95062743155
Title: Infopad user interface
Author: Burstein, Andrew; Long, Allan Christian Jr.; Narayanaswamy, Shankar; Han, Richard; Brodersen, Robert W.
Corporate Source: Univ of California at Berkeley, Berkeley, CA, USA
Conference Title: Proceedings of the COMPCON'95 Conference
Conference Location: San Francisco, CA, USA Conference Date: 19950305-19950309
E.I. Conference No.: 43085
Source: Digest of Papers - COMPCON - IEEE Computer Society International Conference 1995. IEEE, Piscataway, NJ, USA,95CH35737. p 159-162
Publication Year: 1995
CODEN: DCSIDU
Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review)
Journal Announcement: 9508W2
Abstract: We have shown a prototype user interface for the InfoPad, a portable terminal with multi-modal input and multimedia output. The InfoPad's main features are: portability; continuous **network** connectivity using a high-bandwidth radio link; pen input with handwriting recognition; audio input with speech recognition; full-motion **video** playback with **synchronized audio** ; text/Graphics display. The InfoPad's unique input and output characteristics offer challenges and opportunities for user interface design. We have implemented an API for **network** access to audio, pen, graphics, and video data; we have also implemented speech and handwriting recognizers along with programming interfaces and toolkits. We are prototyping applications and user interfaces to explore how handwriting and voice recognition may best be used together. We believe that the lessons we will learn can be applied to other multi-modal platforms.

(Author abstract) 3 Refs.
Descriptors: User interfaces; Computer terminals; Personal computers; Bandwidth; Radio links; Character recognition; Speech recognition; Videotex ; Computer graphics; Computer **networks**
Identifiers: Infopad; Multimodal input multimedia output; Text/graphics display; **Network** connectivity; Pen input; Audio input; Full motion video playback
Classification Codes:
722.2 (Computer Peripheral Equipment); 722.4 (Digital Computers & Systems); 716.1 (Information & Communication Theory); 716.3 (Radio Systems & Equipment); 723.5 (Computer Applications); 751.5 (Speech)
722 (Computer Hardware); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 751 (Acoustics)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 75 (ACOUSTICAL TECHNOLOGY)

7/5/4 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04153660 E.I. No: EIP95052695566
Title: Desktop videoconferencing
Author: Taylor, Kieran; Tolly, Kevin
Corporate Source: Data Communications
Source: Data Communications v 24 n 5 Apr 1995. 10pp
Publication Year: 1995
CODEN: DACODM ISSN: 0363-6399
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review)
Journal Announcement: 9507W1
Abstract: Videoconferencing has brought the prospect of arranging face-to-face meetings at the desktop rather than across the country in an airport hotel, ushering in a new foreseeable age of flexible, low-cost conferencing. However, judging from the current PC-based videoconferencing products, such a development may be hampered. While a number of vendors are now delivering packages that bring functional video to the desktop, most are plagued by such problems as choppy **images** , out-of- **sync audio** , and an inability to handle data sharing without sacrificing video quality.
Descriptors: Teleconferencing; Computer **networks** ; Computer software; Image processing; Image communication systems; Voice/data communication systems; Costs; Image quality; Reception quality; Video signal processing
Identifiers: Videoconferencing systems; Desktop videoconferencing; Video frame rate
Classification Codes:
723.2 (Data Processing); 741.1 (Light/Optics); 716.1 (Information & Communication Theory); 722.3 (Data Communication, Equipment & Techniques)
723 (Computer Software); 741 (Optics & Optical Devices); 716 (Radar, Radio & TV Electronic Equipment); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 71 (ELECTRONICS & COMMUNICATIONS)

7/5/5 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03790912 E.I. No: EIP94011196107
Title: Algorithms and performance evaluation of the Xphone multimedia communication system
Author: Eleftheriadis, Alexandros; Pejhan, Sassan; Anastassiou, Dimitris
Corporate Source: Columbia Univ, New York, NY, USA
Conference Title: Proceedings of the 1st ACM International Conference on Multimedia
Conference Location: Anaheim, CA, USA Conference Date: 19930801-19930806
Sponsor: ACM, SIGBIO; ACM, SIGCHI; ACM, SIGCOMM; ACM, SIGGRAPH; ACM, SIGIR; et al

E.I. Conference No.: 19832
Source: Proc 1 ACM Int Conf Multimedia 1993. Publ by ACM, New York, NY, USA. p 311-320
Publication Year: 1993
ISBN: 0-89791-596-8
Language: English
Document Type: CA; (Conference Article) Treatment: A; (Applications); T ; (Theoretical)
Journal Announcement: 9403W2
Abstract: We describe and evaluate the performance of the algorithms used in Columbia University's ?Xphone' multimedia communication system. The system assumes a ?best-effort' operating system and **network** , and provides **synchronized video / audio** acquisition/playback (locally or across a **network**) with minimized and bounded end-to-end delay. Synchronization is achieved using an algorithm based on time-stamps and device state information. The effects of jitter (delay variation) are mitigated using silence detection; the end-to-end delay is kept bounded using a restart mechanism. Finally, for live video sources, we describe a source bit-rate adaptation algorithm that maximizes the video image quality to the available **network** bandwidth and video display window size. (Author abstract) 20 Refs.
Descriptors: **Data** communication systems; Computer **networks** ; Algorithms; Video signal processing; Sound reproduction; Synchronization; Image quality; Channel capacity; Computer operating systems; Real time systems
Identifiers: Multimedia computing; Source rate control; Application development systems; Media synchronization; Xphone multimedia communicating system
Classification Codes:
722.3 (Data Communication, Equipment & Techniques); 723.5 (Computer Applications); 723.1 (Computer Programming); 723.2 (Data Processing); 716.1 (Information & Communication Theory); 741.3 (Optical Devices & Systems)
722 (Computer Hardware); 723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment); 741 (Optics & Optical Devices)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 74 (OPTICAL TECHNOLOGY)

7/5/6 (Item 6 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02116288 E.I. Monthly No: EIM8609-059031
Title: ASYNCHRONOUS TIME-DIVISION NETWORKS : **TERMINAL** SYNCHRONIZATION **FOR** VIDEO **AND** SOUND **SIGNALS**.
Author: Cochennec, Jean-Yves; Adam, Pierre; Houdoin, Thierry
Corporate Source: CNET, Lannion, Fr
Conference Title: GLOBECOM '85: IEEE Global Telecommunications Conference - Conference Record.
Conference Location: New Orleans, LA, USA Conference Date: 19851202
Sponsor: IEEE Communications Soc, New York, NY, USA; IEEE, New Orleans Section, New Orleans, LA, USA
E.I. Conference No.: 08283
Source: Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 85CH2190-7), Piscataway, NJ, USA p 791-794
Publication Year: 1985
Language: English
Document Type: PA; (Conference Paper)
Journal Announcement: 8609
Abstract: A laboratory study has been launched (the PRELUDE experimental **network**) to prove that asynchronous time-division techniques together with high-speed **packet switching** is a good choice for the ISDN. Peripheral synchronization, which is a critical problem in asynchronous time-division **networks** , is discussed. Solutions being implemented in the PRELUDE model for the adaption of signals that will be found in the public **network** of the future, especially video and sound signals, are discussed. 3 refs.
Descriptors: DIGITAL COMMUNICATION SYSTEMS--*Voice/Data Integrated

Services; DATA TRANSMISSION-- **Packet Switching** ; MULTIPLEXING, TIME DIVISION
Identifiers: ASYNCHRONOUS TIME DIVISION **NETWORKS** ; VIDEO AND SOUND SIGNALS; TERMINAL SYNCHRONIZATION; PRELUDE EXPERIMENTAL **NETWORK**
Classification Codes:
718 (Telephone & Line Communications); 716 (Radar, Radio & TV Electronic Equipment); 717 (Electro-Optical Communications)
71 (ELECTRONICS & COMMUNICATIONS)

7/5/7 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01219645 ORDER NO: AAD92-15333
SYNCHRONIZATION FOR DISTRIBUTED MULTIMEDIA DATABASE SYSTEMS
Author: LITTLE, THOMAS DUNHAM CONANT
Degree: PH.D.
Year: 1991
Corporate Source/Institution: SYRACUSE UNIVERSITY (0659)
Adviser: ARIF GHAFOOR
Source: VOLUME 52/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 6505. 192 PAGES
Descriptors: COMPUTER SCIENCE; ENGINEERING, ELECTRONICS AND ELECTRICAL
Descriptor Codes: 0984; 0544

Distributed multimedia database systems are required to store, retrieve, and communicate objects comprised of mixed data types including images, text, audio and video. An important aspect of these systems is the temporal integration of object components retrieved from databases distributed across a **network** . Such integration necessitates identification of time dependencies occurring among multimedia objects, and enforcing synchronization in spite of random communication delays caused by data distribution. The orchestration of static data elements such as **images** and **text** , and the "lip- **sync** " of **audio** and video are examples of such synchronization.

We propose a model for the formal specification of temporal integration by considering inter-media timing. The proposed model is based on the logic of temporal intervals and the Timed Petri Net, and is shown to be complete in the representation of forward, reverse and partial presentation semantics. Furthermore, by introducing n-ary temporal relations, we demonstrate how the proposed model leads to efficient conceptual data storage schemata for time-dependent data.

For data retrieval, we apply our model to two approaches to enforcement of synchronization based on an object's tolerance to delay. The first assumes the absence of latencies caused by storage devices or the **network** , and is applicable to media that can tolerate moderate delays. In the second approach, we remove this assumption, and propose a methodology to accommodate any bounded delay in the system. This methodology encompasses intermedia synchronization among live, real-time stream traffic as well as pre-orchestrated stored data. The resultant theoretical framework developed for real-time traffic is then used to formulate a set of protocols that provide two levels of synchronization service in the **network** . The lower level, called the **Network** Synchronization Protocol (NSP), provides functionality to establish and maintain individual connections with specified synchronization requirements. The protocol at the upper level, called the Application Synchronization Protocol (ASP), supports an integrated synchronization service for multimedia applications by managing connections between a single destination and multiple sources. The proposed NSP and ASP are mapped to the Session and Application layers of the OSI Reference model, respectively.

7/5/8 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

5404802 INSPEC Abstract Number: B9612-0100-012, C9612-6130M-004

Title: Proceedings of International Conference on Multimedia Modeling
Editor(s): Chua, T.S.; Pung, H.K.; Lunii, T.L.
Publisher: World Scientific, Singapore
Publication Date: 1995 Country of Publication: Singapore ix+428 pp.
ISBN: 981 02 2502 4 Material Identity Number: XX95-02107
Conference Title: Proceedings of International Conference on Multimedia Modeling
Conference Date: 14-17 Nov. 1995 Conference Location: Singapore
Language: English Document Type: Conference Proceedings (CP)
Abstract: The following topics were dealt with: next generation multimedia systems, modeling and standards, **image** retrieval, **video** retrieval, interactive multimedia, **synchronization** , **networked** multimedia, **music** , JPEG, model based image coding, 3D geometric modeling, multimedia systems and applications.
Subfile: B C
Descriptors: computational geometry; computer **networks** ; image coding; information retrieval; interactive systems; multimedia communication; multimedia computing; music; standards; synchronisation; telecommunication
Identifiers: next generation multimedia systems; modeling; standards; image retrieval; video retrieval; interactive multimedia; synchronization; **networked** multimedia; music; JPEG; model based image coding; 3D geometric modeling; multimedia systems; applications
Class Codes: B0100 (General electrical engineering topics); B6210R (Multimedia communications); B6140C (Optical information, image and video signal processing); B6210L (Computer communications); C6130M (Multimedia); C5620 (Computer networks and techniques); C7250 (Information storage and retrieval)

7/5/9 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

5362249 INSPEC Abstract Number: B9610-6210R-039
Title: A multimedia synchronization protocol for live presentations
Author(s): Huang, C.-M.; Lee, R.-Y.
Author Affiliation: Inst. of Inf. Eng., Nat. Cheng Kung Univ., Tainan, Taiwan
Conference Title: 1995 International Symposium on Communications Part vol.1 p.165-72 vol.1
Publisher: Nat. Taiwan Univ, Taipei, Taiwan
Publication Date: 1995 Country of Publication: Taiwan 2 vol. xxii+1235 pp.
Material Identity Number: XX95-01599
Conference Title: Proceedings of 1995 International Symposium on Communications. ISCOM'95
Conference Sponsor: Ministr. Educ.; Nat. Sci. Council; Ind. Technol.; et al
Conference Date: 27-29 Dec. 1995 Conference Location: Taipei, Taiwan
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: In this paper, we propose a multimedia synchronization protocol for supporting smooth presentations of live multimedia information on ATM-based **networking** environments. We perform a bounded buffer allocation scheme and forward synchronization policies for **synchronizing** live **video** and live **audio** streams. Since the transmission rate of live media cannot be adjusted, we perform the forward synchronization policies to overcome the asynchrony anomalies. The presentation processes at the receiver site monitor the presentation asynchrony anomalies. Once the anomalies of presentation are detected, the forward re-synchronization policy is triggered to eliminate the asynchrony anomalies. Neither a global clock nor a feedback mechanism, is needed in our method. (10 Refs)
Subfile: B
Descriptors: asynchronous transfer mode; buffer storage; multimedia communication; protocols; synchronisation
Identifiers: multimedia synchronization protocol; live presentations; ATM-based **networking** environments; bounded buffer allocation scheme;

forward synchronization policies; live video streams; live audio streams; asynchrony anomalies; receiver site; forward re-synchronization policy
Class Codes: B6210R (Multimedia communications); B6150M (Protocols)

7/5/10 **(Item 3 from file: 2)**
DIALOG(R)File 2:INSPEC

5211684 INSPEC Abstract Number: B9604-6210R-052, C9604-6130M-027
Title: Multimedia synchronization for live presentation using the N-buffer approach
Author(s): Chung-Ming Huang; Ruey-Yang Lee
Author Affiliation: Inst. of Inf. Eng., Nat. Cheng Kung Univ., Tainan, Taiwan
Conference Title: Proceedings 1995 International Conference on Network [illegible] No.95TB8122) p.244-51
Editor(s): Liu, M.T.
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1995 Country of Publication: USA xiii+376 pp.
ISBN: 0 8186 7216 1 Material Identity Number: XX95-02103
U.S. Copyright Clearance Center Code: 0 8186 7216 1/95/$04.00
Conference Title: Proceedings of International Conference on Network Protocols
Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process.; Inf. Process. Soc. Japan
Conference Date: 7-10 Nov. 1995 Conference Location: Tokyo, Japan
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: The demand of bringing multimedia information systems into distributed environments makes multimedia synchronization more difficult. In order to eliminate the side effects which result from delay jitters, we propose a bounded buffer allocation scheme, in which the audio stream adopts the blocking synchronization scheme and the **video** stream adopts the non-blocking **synchronization** scheme, for live **audio** and video presentations in this paper. The forward synchronization schemes are performed to overcome the asynchrony anomalies. Once some anomalies of presentations are detected, a forward re-synchronization scheme is triggered to eliminate the asynchrony anomalies. Neither a global clock nor a feedback mechanism is needed using the proposed method. Based on the proposed method, trade-offs between the presentation qualities and **networking** resources are mathematically calculated. According to these calculable trade-offs, users can derive their own (acceptable) presentation qualities of live video and live audio media based on their available **networking** resources. (15 Refs)
Subfile: B C
Descriptors: distributed processing; multimedia systems; synchronisation
Identifiers: live presentation; N-buffer; multimedia information systems; distributed environments; multimedia synchronization; bounded buffer allocation; non-blocking synchronization
Class Codes: B6210R (Multimedia communications); C6130M (Multimedia); C6150N (Distributed systems software); C5620 (Computer networks and techniques)

7/5/11 **(Item 4 from file: 2)**
DIALOG(R)File 2:INSPEC

4939610 INSPEC Abstract Number: C9506-6115-032
Title: JadeBird/III: a collaborative multimedia CASE environment
Author(s): Fu-Qing Yang; Wei-Zhong Shao; Wei Li
Author Affiliation: Dept. of Comput. Sci., Beijing Univ., China
p.647-56
Editor(s): Zupancic, J.; Wrycza, S.
Publisher: Moderna Organizacija, Kranj, Slovenia

Publication Date: 1994 Country of Publication: Slovenia 744 pp.
Conference Title: Proceedings of ISD'94 - 4th International Conference on Information Systems Development
Conference Date: 20-22 Sept. 1994 Conference Location: Bled, Slovenia
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: JadeBird/III is the next generation of CASE environment, which combines the understanding of the way people work in groups with the enabling technology of computer **networking** , multimedia and associated hardware. The collaboration infrastructure in JadeBird/III provides collaboration among geographically dispersed multiple users of existing tools with minimal intrusion into existing software tools or user interaction style, and supports interoperability between a variety of collaborative applications. It can facilitate the development of software products with powerful support of an underlying multimedia repository which is a both syntactical and semantic uniform extension to a standard SQL database server with a rich type of multimedia data, including real-time **video** and **synchronized audio** data. One of the salient features that makes JadeBird/III different from other computer-supported cooperative environments is that the multimedia history information, which consists of the specification, design and rationale, can be efficiently stored and retrieved/queried to support software redesign, reuse and evaluation. (15 Refs)
Subfile: C
Descriptors: computer aided software engineering; groupware; multimedia computing; open systems; relational databases; software tools; SQL; visual databases
Identifiers: JadeBird/III; collaborative multimedia CASE environment; enabling technology; computer **networking** ; collaboration infrastructure; geographically dispersed multiple users; software tools; user interaction style; interoperability; software product development; multimedia repository; SQL database server; real-time video data; synchronized audio data; multimedia history information; specification; software design; rationale; querying; software redesign; software reuse; software evaluation
Class Codes: C6115 (Programming support); C6130M (Multimedia); C6110B (Software engineering techniques); C6160S (Spatial and pictorial databases); C6130G (Groupware); C6160D (Relational databases)

7/5/12 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

4811702 INSPEC Abstract Number: B9412-6210P-009, C9412-5620L-044
Title: Video communication on LANs-multimedia CSCW applications
Author(s): Xiaohui Zhang; Descout, R.; Mabilleau, P.
Author Affiliation: Centre for Inf. Technol. Innovation, Commun. Canada, Laval, Que., Canada
Part vol.2 p.632-5 vol.2
Editor(s): Bhargava, V.K.
Publisher: IEEE, New York, NY, USA
Publication Date: 1993 Country of Publication: USA 2 vol. xxxx+1307 pp.
ISBN: 0 7803 1443 3
U.S. Copyright Clearance Center Code: 0 7803 1443 3/93/$3.00
Conference Title: Proceedings of Canadian Conference on Electrical and Computer Engineering
Conference Sponsor: Canadian Soc. Electr. & Comput. Eng; IEEE Canada
Conference Date: 14-17 Sept. 1993 Conference Location: Vancouver, BC, Canada
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: In the framework of our research on CSCW (computer supported cooperative work) support tools, a prototype was developed for a digital desktop videoconference system using an Ethernet **network** under "Windows for Workgroups" from Microsoft. It offers a cost-effective platform to study the dynamics of video communication in a CSCW environment, as neither

network protocols' modifications nor expensive hardware updates are needed with present LAN installations. Based on the "agent" concept, the system software design is entirely object-oriented. Gaps and jitters are observed during full-motion video display due to the packet transfer mode of LANs and the excessive delays in the related transmission and reception processes. Working directly with a simplified protocol at the **network** 's transport layer (NetBIOS), we maximize the use of the **network** bandwidth, thus the **data** fragmentation and the overheads in the higher layers of the **network** software can be avoided. By fine tuning the relevant parameters such as the size and the resolution of the captured video images as well as the buffer sizes and the dispatch rates, continuous and **synchronized** **video / audio** display can be obtained. (7 Refs)

Subfile: B C

Descriptors: digital communication systems; groupware; local area **networks** ; multimedia systems; object-oriented methods; telecommunications computing; teleconferencing

Identifiers: video communication; LAN; multimedia CSCW applications; digital desktop videoconference system; Ethernet **network** ; Windows for Workgroups; Microsoft; system software design; object-oriented design; full-motion video display; packet transfer mode; **network** transport layer; NetBIOS; **network** bandwidth; video image size; video image resolution; buffer sizes; dispatch rates; **synchronized** **video / audio** display; agent concept

Class Codes: B6210P (Teleconferencing); B6210L (Computer communications); C5620L (Local area networks); C7410F (Communications); C7104 (Office automation); C6110J (Object-oriented programming); C6150N (Distributed systems)

7/5/13 (Item 6 from file: 2)

04275605 INSPEC Abstract Number: C9212-6150N-039

Title: Synchronization of multimedia data streams in open distributed environments

Author(s): Leydekkers, P.; Teunissen, B.

Author Affiliation: PTT Res., Tele-Informatics, Groningen, Netherlands

Conference Title: Network and Operating System Support for Digital Audio and Video. Second International Workshop Proceedings p.94-104

Editor(s): Herrtwich, R.G.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1992 Country of Publication: West Germany xii+402 pp.

ISBN: 3 540 55639 7

Conference Date: 18-19 Nov. 1991 Conference Location: Heidelberg, Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Presents a study of **synchronization** mechanisms for real-time **video** , **audio** and text data streams. Synchronization is an important and complex issue when multimedia information, stored at geographically distributed locations, has to be transported to an end-system for presentation via various communication channels. This paper reviews the characteristics of multimedia data streams and the requirements that a **network** should support for these multimedia systems. An overview of synchronization mechanisms is presented and their applicability in an open distributed environment is discussed. Also the positioning of the synchronization mechanism in the OSI Reference Model is indicated. (13 Refs)

Subfile: C

Descriptors: distributed processing; multimedia systems; open systems; operating systems (computers); synchronisation; teleconferencing

Identifiers: real-time systems; computer **network** ; teleconferencing; multimedia data streams; open distributed environments; synchronization mechanisms; video; audio; OSI Reference Model

Class Codes: C6150N (Distributed systems); C6160B (Distributed DBMS); C6160Z (Other DBMS); C6150J (Operating systems)

7/5/14 **(Item 7 from file: 2)**
DIALOG(R)File 2:INSPEC

02771211 INSPEC Abstract Number: B86069936
Title: High quality and low cost DPCM coding for TV distribution in glass fibre networks
Author(s): Kummerow, T.; Neuhold, P.
Journal: Nachrichtentechnische Zeitschrift vol.39, no.8 p.542-3, 546-8, 550-1
Publication Date: Aug. 1986 Country of Publication: West Germany
CODEN: NAZEAA ISSN: 0027-707X
Language: German Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: Future optical fibre **networks** for local areas will allow video telephone signals to be transmitted in addition to distribution of television programmes. Features of the integrated broadband telecommunications **network** are introduced, and the Bostelmann hybrid DPCM picture coding system in which double symmetrical quantisation ensures low error susceptibility and very high picture quality is described. Aspects of the method including PROM and EPROM utilisation in hybrid DPCM coders and decoders, coding for particular transmission rates, sequential chrominance transmission, frame format containing **synchronisation** , **video** , **sound** , and reserve regions, distribution, and coder and decoder construction are reviewed. The coding method is also characterised by low transmission and equipment costs. (10 Refs)
Subfile: B
Descriptors: cable television; encoding; optical links; pulse-code modulation; television **networks**
Identifiers: DPCM coding; TV distribution; glass fibre **networks** ; optical fibre **networks** ; local areas; video telephone signals; integrated broadband telecommunications **network** ; Bostelmann hybrid DPCM picture coding system; double symmetrical quantisation; error susceptibility; picture quality; PROM; EPROM; hybrid DPCM coders; decoders; transmission rates; sequential chrominance transmission; frame format; synchronisation; video; sound; reserve regions; distribution
Class Codes: B6120B (Codes); B6260 (Optical links and equipment); B6420 (Radio and television broadcasting); B6430D (CATV and wired systems)

7/5/15 **(Item 1 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00351032 94PI06-060
AT&T Telemedia Personal Video System
Alexander, Howard
PC Magazine , June 14, 1994 , v13 n11 p238-241, 2 Page(s)
ISSN: 0888-8507
Company Name: AT&T Global Information Solutions
Product Name: AT&T Telemedia Personal Video System
Languages: English
Document Type: Hardware Review
Grade (of Product Reviewed): A
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
Geographic Location: United States
Presents a very favorable review of AT&T Telemedia Personal Video System ($4,995), a desktop videoconferencing system from AT&T Global Information Solutions of Dayton, OH (800,513). Can come equipped with a 486DX2/66-based AT&T PC with 16MB of RAM, 324MB hard disk, a graphics accelerator and a monitor for $9,151. Says it is unique in that it has the ability to let two users share any Windows application. Features it has high **video** quality and perfectly **synchronized** with **audio** . However, sharing parties use only a single cursor in shared applications and images cannot be displayed simultaneously. Recommended as the PC Magazine Editors' Choice. Includes a photo. (cnr)

Descriptors: Computer Conferencing; Hardware Review; Local Area **Networks** ; Groupware; Video Camera; Workgroup Computing
Identifiers: AT&T Telemedia Personal Video System; AT&T Global Information Solutions

7/5/16 **(Item 2 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00334330 9312PQ-101
ATM: The emperor's new clothes
Derfler, Frank J
PC Magazine-Network Edition , December 21, 1993 , v12 n22 p1-12, 6 Page(s)
ISSN: 0888-8507
Languages: English
Document Type: Feature Articles and News
Geographic Location: United States
Reports on asynchronous transfer mode (ATM). Cites the advantage of ATM as the ability create a speedy **network** for a variety of data. Comments that due to ATM's high expense, it will be most valuable to companies which need to transport **synchronized** **video** and **sound** . Discusses ATM technology of the past, the high overhead of present ATM, and the recent surge of companies producing ATM products. Features a sidebar ``The Four Layers of ATM'' (p7) and a listing of source companies and their ATM products (including interfaces supported and list prices). Includes two diagrams. (cnr)
Descriptors: Asynchronous Transfer Mode; Wide Area **Networks** ; Speed; Vendor Guide

7/5/17 **(Item 3 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2003 EBSCO Pub. All rts. reserv.

00303212 93IW02-039
NLM to bring multimedia to NetWare
Wilson, Jayne
InfoWorld , February 1, 1993 , v15 n5 p36, 1 Page(s)
ISSN: 0199-6649
Company Name: Fluent
Product Name: FluentLinks
Languages: English
Document Type: Product Announcement
Hardware/Software Compatibility: IBM PC; IBM PC Compatible; NetWare; Microsoft Windows
Geographic Location: United States
Reports that Fluent of Natick, MA (508) announced FluentLinks v. 1.0 ($5,995, 10-user license), a NetWare Loadable Module that lets users retrieve and play VHS-quality video segments. Runs on NetWare 3.11 and later. Supports four to 12 concurrent users. Says that it integrates 30-frame-per-second digital video into Windows applications across the **network** ; it includes complete video capture and edit tools; it converts full-motion **video** and **synchronized** **audio** into digital data so that it can be stored, edited, and **networked** ; its intelligent video architecture scales the amount of information going to the client depending on **network** load. Includes one diagram. (jb)
Descriptors: Multimedia; **Networks** ; Motion Pictures; Software
Identifiers: FluentLinks; Fluent

7/5/18 **(Item 4 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00300347 93DC01-016
Sending multimedia traffic across the network

Salamone, Salvatore
Data Communications , January 1, 1993 , v22 n1 p75-76, 2 Page(s)
ISSN: 0363-6399
Company Name: Starlight
Product Name: Mediaserver; Starworks
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): B; B
Hardware/Software Compatibility: 486-based PC
Geographic Location: United States

Presents a favorable review of the Mediaserver, a dedicated 486-based video server, and Starworks, software for the Mediaserver, from Starlight of Mountain View, CA. The package is $23,500 for 10 users and $39,500 for 20 users; software alone is $9,950, 10 users and $18,495, 20 users. The server supports a total of 25 Mbit/s of video or streaming data; supports [illegible] simultaneous users in DVI format or JPEG format, respectively. The system uses the new Media Transport Protocol for efficiently delivering multimedia traffic over **networks** . Says that they are the first products to address how to send and store video data over 10Base-T or thin-wire Ethernet **networks** ; they work without interfering with existing traffic or applications; and Starworks has video session services for **video** stream management and **synchronization** of **animation** , **sound** , and video. Includes one diagram. (jb)

Descriptors: Multimedia; **Networks** ; Server; Software Review; Hardware Review
Identifiers: Mediaserver; Starworks; Starlight

7/5/19 **(Item 1 from file: 94)**
DIALOG(R)File 94:JICST-EPlus

02611830 JICST ACCESSION NUMBER: 95A0928603 FILE SEGMENT: JICST-E
Multimedia office systems integrating groupware with multimedia on demand.
MIZUNO HIROMI (1); FUKUOKA HIDEYUKI (1); TANIGUCHI KUNIHIRO (1); TACHIKAWA HITOYA (1); SAKAGAMI HIDEKAZU (1); KAWASAKI SHIGEHITO (1)
(1) NEC C&CKen
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Enginners), 1995, VOL.95,NO.255(IE95 51-57), PAGE.35-42, FIG.12, REF.9
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:654
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: A multimedia platform integrating groupware with multimedia on demand is proposed. The multimedia platform integrates stored information retrieving with realtime bi-directional communication, and the integration is realised by cooperation of groupware servers MCU(Multipoint Control Unit)s with multimedia on demand servers. Cooperation protocols are developed to realise the server's cooperation without any modification to the existing servers. Multimedia synchronization control scheme for realtime communication is also provided. Multimedia office systems developed on this platform provides both realtime and stored **video** naturally **synchronized** with **audio** th the users. (author abst.)
DESCRIPTORS: LAN; ATM **network** ; multi-media; picture communication; data communication; information retrieval; synchronous control; groupware; protocol; teleconference; hyper-media; service communication; computer system(hardware); client server system
BROADER DESCRIPTORS: computer **network** ; communication **network** ; information **network** ; **network** ; information media; telecommunication; retrieval; control; application program; computer program; software; rule; conference; private communication; system
CLASSIFICATION CODE(S): JC03000K

7/5/20 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

02097338 JICST ACCESSION NUMBER: 94A0732337 FILE SEGMENT: JICST-E
Rate Control for Packet AudiovVideo System with Compression.
WATANABE MITSUTERU (1); AKAMA TAKASHI (1); SHIBATA YOSHITAKA (1)
(1) Fac. of Eng. Toyo Univ.
Joho Shori Gakkai Kenkyu Hokoku, 1994, VOL.94,NO.56(DPS-66), PAGE.133-138, FIG.9, TBL.2, REF.5
JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.002+ 681.3:654 621.391.037.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: In order to realize multimedia information **network** , we developed an efficient audio/video transmission system which tasks accout of each media characteristics and provides flexible synchronization mechanism between them, based on a compressed video coding scheme, MPEG. In this system, a rate control mechanism is introduced to keep constant video frame rate by variable bit-rate transmission. By this rate transmission mechanism, the **synchronization** between **video** and **audio** can be correctly attained while keeping higher data throughput and lower delay. This paper describes implementation and evaluation of the prototype of PAVS with MPEG compression coding scheme under FDDI **network** . (author abst.)
DESCRIPTORS: computer **network** ; multi-media; data compression; moving image; **packet switching** ; prototyping(computer); performance analysis; picture signal; video disk; FDDI; MPEG
BROADER DESCRIPTORS: communication **network** ; information **network** ; **network** ; information media; data processing; information processing; treatment; image; store-and-forward switching; communication exchanging ; exchange; switching; computer system development; development; analysis; signal; information medium; system interface; interface; ISO Standard; international standard; standard(specification); standard
CLASSIFICATION CODE(S): JE14000C; JC03000K; ND02030R

7/5/21 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

02087006 Genuine Article#: JZ981 Number of References: 65
Title: WHAT MAKES THE PICTURE TALK - AT-AND-T AND THE DEVELOPMENT OF SOUND MOTION-PICTURE TECHNOLOGY
Author(s): HOCHHEISER S
Corporate Source: AT&T ARCHIVES/WARREN//NJ/07059
Journal: IEEE TRANSACTIONS ON EDUCATION, 1992, V35, N4 (NOV), P278-285
ISSN: 0018-9359
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology & Applied Sciences
Journal Subject Category: ENGINEERING, ELECTRICAL & ELECTRONIC; EDUCATION, SCIENTIFIC DISCIPLINES
Abstract: The technological system that successfully brought sound to motion pictures in the 1920's was developed at AT&T's Bell Laboratories and its predecessor, the Western Electric Engineering Department. The telephone company had not set out to invent talking pictures. Its strategic goal was perfection of the national telephone **network** . Among the technologies developed in this effort were amplifiers, loud speaking telephones (i.e., loud-speakers), condenser microphones, and electrical sound recording and reproduction. In 1922, AT&T R&D executive E. B. Craft concluded that his company had all the pieces necessary for the addition of sound to **movies** except for a means to **synchronize sound** and picture, a task on which he put a team of engineers to work. By 1924, AT&T had produced a complete working

system.

The first film made with the AT&T technology was Warner Bros.' Don Juan in 1926. By 1929, the entire motion picture industry had committed to sound, and the silent motion picture era was over.

Western Electric established a subsidiary, Electrical Research Products Inc. (or ERPI), in 1927 to assume commercial exploitation of the technology. It worked with the motion picture industry to develop commercial sound film production, and with the theater owners to equip thousands of theaters to show sound films. Thus, technology developed by the research and development effort of one communication industry produced a revolution in another.

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7/5/22 **(Item 1 from file: 99)**
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1147827 H.W. WILSON RECORD NUMBER: BAST94016384
Real-time OS, services drive TV decoders
Miller, Eric;
Electronic Design v. 42 (Feb. 21 '94) p. ES24-6
DOCUMENT TYPE: Feature Article ISSN: 0013-4872 LANGUAGE: English
RECORD STATUS: New record

ABSTRACT: Part of a special editorial supplement on engineering software. The writer discusses the use of real-time operating systems and services for interactive digital television (TV). The set-top box for digital interactive TV must be a powerful real-time computer capable of bidirectional communications and high-bandwidth data transfers. Real-time operating systems and services that can handle and **synchronize** compressed **video** and **audio** signals will be needed for this task. The David (Digital Audio/Video Interactive Decoder) package from Microware is an example of how the software and computer operate in a digital set-top box. With the availability of MPEG decoders and software such as David and with new **network** installation underway, everything is falling into place for interactive digital TV.

DESCRIPTORS: Television decoders; Digital television transmission; DVI technology;

7/5/23 **(Item 1 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)

05935831
Novell focuses on desktop video
HONG KONG: NOVELL UNVEILED NETWARE VIDEO
Computerworld Hong Kong (XDP) 27 Jan 1994 P.26
Language: ENGLISH

Novell has introduced a new product to allow NetWare users to easily integrate digital **video** and **synchronised audio** into NetWare **networks**. NetWare Video 1.0, which supports both NetWare 3.1x and NetWare 4.x environments, is now available in Hong Kong. It is priced at USD 1,100 for a 5-user licence, USD 1,990 for 10 users and USD 2,975 for 25 users.

COMPANY: NOVELL

PRODUCT: Computer Software (7372);
EVENT: Marketing Procedures (24);
COUNTRY: Hong Kong (9HON);

7/5/24 **(Item 1 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management

00702200 E93071126226
A network **interface unit to support continuous media**
(Netzschnittstelle zur Uebertragung kontinuierlicher Medien)
Blair, G; Campbell, A; Coulson, G; Garcia, F; Hutchison, D; Scott, A;
Shepherd, D
Univ. Lancaster, GB
IEEE Journal on Selected Areas in Communications, v11, n2, pp264-275, 1993
Document type: journal article Language: English
Record type: Abstract
ISSN: 0733-8716

ABSTRACT:
Die Kombination schneller Multiservice-Netze mit Multimedia-Workstationen bietet neue Moeglichkeiten fuer die Entwicklung neuer Multimedia-Anwendungen, wobei noch viele Fragen offen sind. Das betrifft auch die Einbeziehung kontinuierlich vorliegender Medien, wie Audio- und Videoprogramme, in ein verteiltes Workstationsumfeld. Deshalb wird hier eine experimentelle Systemarchitektur beschrieben, die auf einer speziellen Multimedia-Netz-Schnittstelle beruht und die diese Integration anstrebt. Dabei wird eine neue Mediensynchronisation eingefuehrt und die Bedeutung von Servicequalitaet in der Architektur beleuchtet.

DESCRIPTORS: COMPUTER INTERFACES; **NETWORKS** --CIRCUITS; WORK STATIONS; COMPUTER **NETWORKS** ; SYSTEM ARCHITECTURE; **SYNCHRONIZATION** ; **VIDEO SIGNALS** ; **AUDIO** SIGNALS; DATA SIGNALLING RATE; COMMUNICATION SERVICES; MICROCOMPUTERS; ASYNCHRONOUS TRANSFER MODE; MULTIMEDIA
IDENTIFIERS: Netzschnittstelle; Multimedia

7/5/24 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00702200 E93071126226
A network interface unit to support continuous media
Netzschnittstelle zur Uebertragung kontinuierlicher Medien)
Blair, G; Campbell, A; Coulson, G; Garcia, F; Hutchison, D; Scott, A; Shepherd, D
Univ. Lancaster, GB
IEEE Journal on Selected Areas in Communications, v11, n2, pp264-275, 1993
Document type: journal article Language: English
Record type: Abstract
ISSN: 0733-8716

ABSTRACT:

The combination of fast multi-service nets with Multimedia Workstationen offers new possibilities for the development of new Multimedia applications, whereby still many questions are open. That concerns also the inclusion of continuously available media, like audio and video programs, into a distributed workstation surrounding field. Therefore an experimental architecture is described here, which is based on a special Multimedia net interface and which this integration aims at. A new medium synchronisation is introduced and the meaning of the servicequalitaet in architecture is lit up.

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File 347:JAPIO Oct 1976-2003/Oct(Updated 040202)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200413
         (c) 2004  Thomson Derwent

Set     Items   Description
S1     251293   BASELINE OR INTERLEAV? OR INTERLEAF? OR INTER()(LEAV??? OR
             LEAF???) OR SYNC??? OR SYNCHRONIZ?????? OR SYNCHRONIS??????
S2        628   (METADATA OR META()DATA OR VIDEO OR MOVIE? ? OR FILM? ? OR
             ANIMATION OR TEXT??? OR CAPTION? ? OR IMAGE? ? OR GRAPHIC? ? -
             OR PICTURE? ? OR PHOTO? ? OR PHOTOGRAPH? ?)(5W)S1(5W)(AUDIO OR
              SOUND OR MUSIC OR MIDI)
S3     176269   INTERNET OR INTRANET? ? OR EXTRANET? ? OR TCP()IP OR IPX()-
             SPX OR PACKET(1W)SWITCH? OR (DATA OR PACKET? ? OR FRAME? ? OR
             DATAFRAME? ?)(3N)NETWORK??? OR ARPANET
S4     332092   NETWORK???
S5         46   S2 AND S3:S4
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5/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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04154209 **Image available**
AUDIO/VIDEO COMMUNICATION SYSTEM

PUB. NO.: 05-145909 [JP 5145909 A]
PUBLISHED: June 11, 1993 (19930611)
INVENTOR(s): TAKEUCHI WATARU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-303280 [JP 91303280]
FILED: November 19, 1991 (19911119)
INTL CLASS: [5] H04N-007/13; H04N-007/08; H04L-012/48
JAPIO CLASS: 44.6 (COMMUNICATION -- Television); 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: E, Section No. 1439, Vol. 17, No. 535, Pg. 18, September 27, 1993 (19930927)

ABSTRACT

PURPOSE: To obtain an audio/video communication system for synchronizing audios and images on the side of an incoming terminal.

CONSTITUTION: The audios are digitally coded by an audio coding circuit 2 and when information is stored to fill an audio information area, a virtual channel identifier is imparted by a first cell circuit 5. The videos are digitally coded by a video coding circuit 3 and when information is stored to fill a video information area, a virtual channel identifier is imparted by a second cell making circuit 6. After the information is made into cells, they are transmitted through a cell multiplexing circuit 7 and an asynchronous transfer mode communication **network** 8 to a cell multiplexing separator circuit 11 and separated into audio information and video information. The video information is temporarily stored by a second buffer circuit 13. Thus, the **video** information **synchronized** with the **audio** information can be obtained.

5/5/42 (Item 36 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011288198 **Image available**
WPI Acc No: 1997-266103/199724
XRPX Acc No: N97-220403
Digital image communication method - involves multiplexing encoded image and audio data obtained from delay circuit and transmitting it to communication network
Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9093553	A	19970404	JP 95247253	A	19950926	199724	B

Priority Applications (No Type Date): JP 95247253 A 19950926
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9093553	A		12	H04N-007/10	

Abstract (Basic): JP 9093553 A

The method uses an ADC (16) which converts an input image signal to a digital value. A frame number is obtained by counting a frame alignment signal of the image data output from the ADC. The output of the ADC is coded using an image encoder (18). An input audio signal is converted to a digital signal using an audio ADC (19). Also, a frame number equal to that counted by a counter is added to the audio data using a number of provision circuit (20).

The audio data is encoded by an audio encoder (21). The frame of

the image and the audio data is detected by respective frame number detectors (24, 25). The differential value of the frame number detected by the detectors is performed using a transmitting delay control circuit (26). Based on the differential value, the audio data is delayed by a delay memory (22). The image and audio code data are then multiplexed and transmitted to a communication **network** .

ADVANTAGE - Performs exact **synchronisation** of **image** and **audio** . Corresponds to change in delay time and variation of code.

Dwg.1/6

Title Terms: DIGITAL; IMAGE; COMMUNICATE; METHOD; MULTIPLEX; ENCODE; IMAGE; AUDIO; DATA; OBTAIN; DELAY; CIRCUIT; TRANSMIT; COMMUNICATE; **NETWORK**
Derwent Class: U21; W02
International Patent Class (Main): H04N-007/10
International Patent Class (Additional): H03M-007/30; H04N-007/04; H04N-007/045; H04N-007/24
File Segment: EPI

5/5/43 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011241966 **Image available**
WPI Acc No: 1997-219869/199720
XRPX Acc No: N97-181845

Synchronous audio-video reproduction apparatus - synchronises **reproduction of** image **and** audio **by adjusting audio output timing.**

Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9065303	A	19970307	JP 95218837	A	19950828	199720	B

Priority Applications (No Type Date): JP 95218837 A 19950828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9065303	A		6	H04N-007/10	

Abstract (Basic): JP 9065303 A

The synchronous audio-video reproduction apparatus consists of a video transmission device (10), which adds a time code to an audio data and a moving image data and transmits them through a **network** (18). The video reproduction terminal equipment (20) consists of a moving image data receiver (22) and an audio data receiver (24). The moving image data receiver receives the moving image with the time code. The audio data receiver receives the audio data with the time code. Then the received moving image data is transmitted to a frame buffer (28) and the image is displayed on a monitor (30).

The audio data receiver stores the received audio data temporarily in an audio buffer device (32). Then an audio output timing adjusting device (26) obtains the information on the amount of buffer used from the audio device buffer and the time code from receivers (22,24). Then an empty audio slot is inserted into or deleted from the audio device buffer such that the audio, corresponding to the displayed video frame, is output from a speaker (34). ADVANTAGE - For use in digital video reproduction system.

Dwg.1/4

Title Terms: SYNCHRONOUS; AUDIO; VIDEO; REPRODUCE; APPARATUS; SYNCHRONISATION; REPRODUCE; IMAGE; AUDIO; ADJUST; AUDIO; OUTPUT; TIME
Derwent Class: W02; W03; W04
International Patent Class (Main): H04N-007/10
International Patent Class (Additional): H04N-005/93
File Segment: EPI

5/5/44 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010074387 **Image available**
WPI Acc No: 1994-342100/199442
XRPX Acc No: N94-268287

Software system for computer supported collaboration - has two computer system interconnected by network **and with** data **sharing driver providing I/O data and video/audio data to each computer**

Patent Assignee: INTEL CORP (ITLC)
Inventor: AHIMOVIC P J; MANEPALLY N; AHIMOVIC P
Number of Countries: 019 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9424629	A1	19941027	WO 94US3960	A	19940412	199442	B
EP 694187	A1	19960131	EP 94915367	A	19940412	199609	
			WO 94US3960	A	19940412		
JP 8509310	W	19961001	JP 94523372	A	19940412	199705	
			WO 94US3960	A	19940412		
EP 694187	B1	20010321	EP 94915367	A	19940412	200117	
			WO 94US3960	A	19940412		
US 6209021	B1	20010327	US 9347121	A	19930413	200119	
			US 95541471	A	19951010		
DE 69426927	E	20010426	DE 626927	A	19940412	200130	
			EP 94915367	A	19940412		
			WO 94US3960	A	19940412		
ES 2156590	T3	20010701	EP 94915367	A	19940412	200141	
CA 2160343	C	20020716	CA 2160343	A	19940412	200256	
			WO 94US3960	A	19940412		

Priority Applications (No Type Date): US 9347121 A 19930413; US 95541471 A 19951010
Cited Patents: 4.Jnl.Ref; US 5208912
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9424629	A1	E	30	G06F-015/21	
Designated States (National): CA JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
EP 694187	A1	E	30	G06F-015/21	Based on patent WO 9424629
Designated States (Regional): DE ES FR GB IT					
JP 8509310	W		26	G06F-015/00	Based on patent WO 9424629
EP 694187	B1	E		G06F-009/46	Based on patent WO 9424629
Designated States (Regional): DE ES FR GB IT					
US 6209021	B1			G06F-015/16	Cont of application US 9347121
DE 69426927	E			G06F-009/46	Based on patent EP 694187
					Based on patent WO 9424629
ES 2156590	T3			G06F-009/46	Based on patent EP 694187
CA 2160343	C	E		G06F-015/16	Based on patent WO 9424629

Abstract (Basic): WO 9424629 A

The computer supported collaboration system includes a data sharing software system. The computers have applications (214, 220) accepting keyboard (216,222) and or mouse (230,228) inputs. These inputs are also passed to data sharing programs (250,260). The data sharing applications (252,262) arrange for the input data from each computer to be passed via the **network** to the other computer. Both applications operate on both sets of data.

A video/audio link-up can be combined with the data transfers by **interleaving video / audio** data which is presented in small windows. Clipboards may be shared between the computers.

ADVANTAGE - Provides convenient means of allowing users to collaborate over computer **network** .

Dwg.2/5

Title Terms: SOFTWARE; SYSTEM; COMPUTER; SUPPORT; TWO; COMPUTER; SYSTEM; INTERCONNECT; **NETWORK** ; DATA; SHARE; DRIVE; DATA; VIDEO; AUDIO; DATA; COMPUTER
Derwent Class: T01; W01; W02
International Patent Class (Main): G06F-009/46; G06F-015/00; G06F-015/16; G06F-015/21

5/3/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

[illegible]1683 **Image available**
METHOD FOR PRODUCING INFORMATION, DEVICE FOR PRODUCING INFORMATION, AND SYSTEM FOR PROCESSING **NETWORK** INFORMATION

PUB. NO.: 2003-085527 [JP 2003085527 A]
PUBLISHED: March 20, 2003 (20030320)
INVENTOR(s): MIYAKE TORU
TABUCHI SATOSHI
FUJIMOTO ATSUHIKO
APPLICANT(s): SONY CORP
APPL. NO.: 2001-278965 [JP 2001278965]
FILED: September 14, 2001 (20010914)

5/3/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07476380 **Image available**
VIDEO DISPLAY DEVICE, AUDIO ADJUSTING DEVICE, VIDEO AND AUDIO OUTPUT DEVICE, AND METHOD FOR **SYNCHRONIZING** **VIDEO** AND **AUDIO**

PUB. NO.: 2002-344898 [JP 2002344898 A]
PUBLISHED: November 29, 2002 (20021129)
INVENTOR(s): USUHA HIDEMI
MINOJIMA KUNIHIRO
ONO KINYA
TENMA TETSUYA
NISHIMURA SHINSUKE
KIMURA TOMOHIRO
APPLICANT(s): PIONEER ELECTRONIC CORP
APPL. NO.: 2001-148530 [JP 2001148530]
FILED: May 17, 2001 (20010517)

5/3/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07382697 **Image available**
AUDIOVISUAL SUMMARY CREATING METHOD

PUB. NO.: 2002-251197 [JP 2002251197 A]
PUBLISHED: September 06, 2002 (20020906)
INVENTOR(s): IKOU KYOU
LIU XIN
APPLICANT(s): NEC CORP
APPL. NO.: 2001-376561 [JP 2001376561]
FILED: December 11, 2001 (20011211)
PRIORITY: 00 254534 [US 2000254534], US (United States of America), December 12, 2000 (20001212)
01 011215 [US 200111215], US (United States of America), October 25, 2001 (20011025)

5/3/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07204634 **Image available**
MUSIC DISTRIBUTION SERVER, MUSIC REPRODUCING TERMINAL, AND STORAGE MEDIUM WITH SERVER PROCESSING PROGRAM STORED THEREIN, STORAGE MEDIUM WITH TERMINAL PROCESSING PROGRAM STORED THEREIN

PUB. NO.: 2002-073049 [JP 2002073049 A]
PUBLISHED: March 12, 2002 (20020312)
INVENTOR(s): NAKAMURA TOSHIHISA
TORIYAMA KOJI
TANAKA YUJI
APPLICANT(s): CASIO COMPUT CO LTD
APPL. NO.: 2000-264433 [JP 2000264433]
FILED: August 31, 2000 (20000831)

5/3/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07112012 **Image available**
DIGITAL AUDIO EQUIPMENT

PUB. NO.: 2001-339679 [JP 2001339679 A]
PUBLISHED: December 07, 2001 (20011207)
INVENTOR(s): KATO GOJI
APPLICANT(s): ALPINE ELECTRONICS INC
APPL. NO.: 2000-156616 [JP 2000156616]
FILED: May 26, 2000 (20000526)

5/3/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04154209 **Image available**
AUDIO/VIDEO COMMUNICATION SYSTEM

PUB. NO.: 05-145909 [JP 5145909 A]
PUBLISHED: June 11, 1993 (19930611)
INVENTOR(s): TAKEUCHI WATARU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-303280 [JP 91303280]
FILED: November 19, 1991 (19911119)
JOURNAL: Section: E, Section No. 1439, Vol. 17, No. 535, Pg. 18, September 27, 1993 (19930927)

5/3/7 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015873160 **Image available**
WPI Acc No: 2004-030991/200403
XRPX Acc No: N04-024425
Formatted digital video **data stream** synchronizing **serving method, involves adjusting** audio **data stream with server elapsed time and synchronizing digital video data stream with adjusted data stream**
Patent Assignee: SIGMA DESIGNS INC (SIGM-N)
Inventor: IGNASZEWSKI M; MAHE J; TRINH V
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6654956	B1	20031125	US 2000546055	A	20000410	200403	B

Priority Applications (No Type Date): US 2000546055 A 20000410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6654956	B1		9	H04N-007/173	

5/3/8 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015831955 **Image available**
WPI Acc No: 2003-894159/200382
Method for operating site using moving image and music, and system thereof
Patent Assignee: SHIN S K (SHIN-I)
Inventor: SHIN S K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2003064439	A	20030802	KR 20024730	A	20020128	200382	B

Priority Applications (No Type Date): KR 20024730 A 20020128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2003064439	A		1	G06F-017/00	

5/3/9 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015680911 **Image available**
WPI Acc No: 2003-743100/200370
XRPX Acc No: N03-594992
Recorded medium e.g. CD-ROM utilized by page transmitting system stores instructions for assembling data packets with reference to data definition entries, to display page represented by formed data stream
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: ANDERS M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6604144	B1	20030805	US 97885672	A	19970630	200370	B

Priority Applications (No Type Date): US 97885672 A 19970630
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6604144	B1		27	G06F-015/16	

5/3/10 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015675167 **Image available**
WPI Acc No: 2003-737354/200370
XRPX Acc No: N03-589903
Video **delivery method in real-time** video **distribution system, involves** synchronizing **collected** audio **signal with combination of video signal from video camera and display information**
Patent Assignee: HITACHI JOHO SYSTEMS KK (HITA-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003235017	A	20030822	JP 200229902	A	20020206	200370	B

Priority Applications (No Type Date): JP 200229902 A 20020206
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003235017	A		9	H04N-007/15	

5/3/11 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015584457 **Image available**
WPI Acc No: 2003-696539/200366
XRPX Acc No: N03-556253
Audio synchronizing method for audio/ video network , involves synchronizing audio signal with video signal by determining difference in processing speeds between audio and video decoders
Patent Assignee: SONY ELECTRONICS INC (SONY)
Inventor: HARA H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030122964	A1	20030703	US 200238315	A	20020102	200366	B

Priority Applications (No Type Date): US 200238315 A 20020102
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030122964	A1		5	H04N-007/16	

5/3/12 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015595557 **Image available**
WPI Acc No: 2003-657712/200362
XRPX Acc No: N03-524078
Transcript synchronized video / audio record distribution system using Internet , downloads protected video/audio records for review, by using open technology standards
Patent Assignee: DONOVAN M J (DONO-I); KNIGHT K H (KNIG-I); PRZEKOP M V (PRZE-I)
Inventor: DONOVAN M J; KNIGHT K H; PRZEKOP M V
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030078973	A1	20030424	US 2001325155	P	20010925	200362	B
			US 2002255807	A	20020925		

Priority Applications (No Type Date): US 2001325155 P 20010925; US 2002255807 A 20020925
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030078973	A1		13	G06F-015/16	Provisional application US 2001325155

5/3/13 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015578531 **Image available**
WPI Acc No: 2003-640688/200361
XRPX Acc No: N03-509902
Music data transmission and reception system extracts music data and test data from music data received from data transmission device, and displays text data synchronized with music data
Patent Assignee: SONY CORP (SONY)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003228375	A	20030815	JP 200227197	A	20020204	200361	B

Priority Applications (No Type Date): JP 200227197 A 20020204
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003228375	A		26	G10K-015/02	

5/3/14 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015437381 **Image available**
WPI Acc No: 2003-499523/200347
XRPX Acc No: N03-397353
Internet -based synchronized audio and video data delivery method involves synchronizing audio and video data received from player terminal, based on time and composite tone information
Patent Assignee: HIGASHI NIHON DENSHIN DENWA KK (HIGA-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003167575	A	20030613	JP 2001367260	A	20011130	200347	B

Priority Applications (No Type Date): JP 2001367260 A 20011130
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003167575	A		14	G10H-001/00	

5/3/15 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015324850 **Image available**
WPI Acc No: 2003-385785/200337
XRPX Acc No: N03-308202
Information generation method in network conference system, network educational system, involves recording still-picture information currently displayed by display device according to capture instructions
Patent Assignee: SONY CORP (SONY)
Inventor: FUJIMOTO A; FUJIYAMA H; ISOZAKI M; KURASHIGE S; MIYAKE T; SUZUKI H; TABUCHI S
Number of Countries: 026 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003085527	A	20030320	JP 2001278965	A	20010914	200337	B
WO 200326289	A1	20030327	WO 2002JP9401	A	20020913	200337	

Priority Applications (No Type Date): JP 2001278965 A 20010914; JP 2001278962 A 20010914; JP 2001278963 A 20010914; JP 2001278964 A 20010914
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003085527	A		20	G06T-001/00	
WO 200326289	A1	J		H04N-005/91	

Designated States (National): CN US
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

5/3/16 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015297024 **Image available**
WPI Acc No: 2003-357958/200334
XRPX Acc No: N03-286036
LAN controller includes clock signal generator which outputs system clock synchronizing with reproduction of image or audio data from data reproduction apparatus
Patent Assignee: HITACHI LTD (HITA); HITACHI MICON SYSTEM KK (HITA-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003008557	A	20030110	JP 2001189607	A	20010622	200334	B

Priority Applications (No Type Date): JP 2001189607 A 20010622

Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2003008557 A   13 H04L-007/00

5/3/17   **(Item 11 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

015272443   **Image available**
WPI Acc No: 2003-333372/200331
XRPX Acc No: N03-267178
Optimizing method for adapting components of communications system, in which parameters are adjusted, based upon user steering and system capabilities for use in e.g. point-to-point communications systems
Patent Assignee: GORDON C D (GORD-I); JAYANT N (JAYA-I); NICHOLSON C G (NICH-I); SIVAKUMAR R (SIVA-I); EG TECHNOLOGY INC (EGTE-N)
Inventor: GORDON C D; JAYANT N; NICHOLSON C G; SIVAKUMAR R; GORDON C; NICHOLSON G
Number of Countries: 100 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200327884   A1 20030403 WO 2002US30603 A   20020927 200331 B
US 20030069963 A1 20030410 US 2001325116   P   20010927 200340
                            US 2002254685   A   20020926

Priority Applications (No Type Date): US 2002254685 A 20020926; US 2001325116 P 20010927
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200327884 A1 E 44 G06F-015/173
   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
   Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
US 20030069963 A1   G06F-015/173 Provisional application US 2001325116

5/3/18   **(Item 12 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

015214811   **Image available**
WPI Acc No: 2003-275348/200327
XRPX Acc No: N03-218596
Video and audio samples synchronizing system for multimedia distribution, assigns timestamp to each audio sample with respect to data structure, and renders with video data synchronously
Patent Assignee: DIDERIKSEN T (DIDE-I); FELLER C (FELL-I); HARRIS G (HARR-I); NOVAK M J (NOVA-I); OLSON K J (OLSO-I)
Inventor: DIDERIKSEN T; FELLER C; HARRIS G; NOVAK M J; OLSON K J
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020172377 A1 20021121 US 2001817902   A   20010326 200327 B

Priority Applications (No Type Date): US 2001817902 A 20010326
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020172377 A1   26 H03G-005/00

5/3/19   **(Item 13 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

015199853 **Image available**
WPI Acc No: 2003-260387/200326
XRPX Acc No: N03-206417
Joint music performance support system synchronizes **received performer's** image **and** music **sent by respective performer transceiver terminal from different places for broadcasting**
Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002320216	A	20021031	JP 2001123244	A	20010420	200326	B

Priority Applications (No Type Date): JP 2001123244 A 20010420
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002320216	A		9	H04N-007/173	

5/3/20 **(Item 14 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015192562 **Image available**
WPI Acc No: 2003-243094/200324
XRPX Acc No: N03-193739
Internet **-based karaoke apparatus** synchronizes image **data and** music **data based on synchronous data calculated using marker inserted into MIDI data**
Patent Assignee: DENON CO LTD (NPCO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003005764	A	20030108	JP 2001190365	A	20010622	200324	B

Priority Applications (No Type Date): JP 2001190365 A 20010622
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003005764	A		7	G10K-015/04	

5/3/21 **(Item 15 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015137685 **Image available**
WPI Acc No: 2003-198211/200319
Related WPI Acc No: 2003-311157
XRPX Acc No: N03-157477
Low bit rate multimedia content communication method through internet **, involves presenting audio and video packets based on synchronization information provided in headers of packets**
Patent Assignee: CYBER OPERATIONS LLC (CYBE-N)
Inventor: RO S; LINDSEY L D
Number of Countries: 100 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020150123	A1	20021017	US 2001283036	P	20010411	200319	B
			US 2002119878	A	20020410		
WO 200285016	A1	20021024	WO 2002US11037	A	20020410	200319	
WO 200285030	A1	20021024	WO 2002US11567	A	20020410	200319	

Priority Applications (No Type Date): US 2001283036 P 20010411; US 2002119878 A 20020410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020150123	A1		27	H04J-003/16	Provisional application US 2001283036

WO 200285016 A1 E H04N-007/08
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW
WO 200285030 A1 E H04N-007/26
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

5/3/22 **(Item 16 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015136717 **Image available**
WPI Acc No: 2003-197243/200319
XRPX Acc No: N03-156536
Automatic speech recognition computer training method involves creating finalized transcript data by machine shorthand stenographers using computer aided transcription software and synchronizing text **-to-**audio **data**
Patent Assignee: JEPPESEN J C (JEPP-I)
Inventor: JEPPESEN J C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6490557	B1	20021203	US 9876998	P	19980305	200319	B
			US 99261924	A	19990303		

Priority Applications (No Type Date): US 9876998 P 19980305; US 99261924 A 19990303
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6490557	B1		7	G10L-015/00	Provisional application US 9876998

5/3/23 **(Item 17 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014917545 **Image available**
WPI Acc No: 2002-738252/200280
Method for promoting sales of commercial file on internet
Patent Assignee: BETALAND CO LTD (BETA-N)
Inventor: SUN J S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2002044658	A	20020619	KR 200073652	A	20001206	200280	B

Priority Applications (No Type Date): KR 200073652 A 20001206
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002044658	A		1	G06F-017/00	

5/3/24 **(Item 18 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

Image available
WPI Acc No: 2002-594876/200264
XRPX Acc No: N02-472276
Audio/video system has arithmetic processing unit for identifying and regenerating music according to specific video **information** synchronized **with regeneration of** music **by reproducing apparatus**
Patent Assignee: KENWOOD CORP (TRIR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002204432	A	20020719	JP 2000400121	A	20001228	200264	B

Priority Applications (No Type Date): JP 2000400121 A 20001228
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002204432	A		11	H04N-005/93	

5/3/25 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014767382 **Image available**
WPI Acc No: 2002-588086/200263
XRPX Acc No: N02-466718
Communication device using internet **synchronizes moving image of face expression obtained by mapping transition pattern onto face-geometric model, with audio signal and displays the image**
Patent Assignee: DIGITAL MEDIA LAB KK (DIGI-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002215180	A	20020731	JP 20019572	A	20010117	200263	B

Priority Applications (No Type Date): JP 20019572 A 20010117
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002215180	A		5	G10L-015/00	

5/3/26 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014595044 **Image available**
WPI Acc No: 2002-415748/200244
XRPX Acc No: N02-327073
Image modifying method for advertising in Internet **, involves introducing multimedia character which appears on the screen in unpredictable and uncontrollable manner for user**
Patent Assignee: UNITED VIRTUALITIES INC (UNVI-N)
Inventor: ALVAREZ F M; DAYAN D; ENTEL I S; ESTAVEZ J A; GORDON A A; TENENBAUM S S
Number of Countries: 098 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200221238	A2	20020314	WO 2001US28265	A	20010910	200244	B
AU 200190723	A	20020322	AU 200190723	A	20010910	200251	
EP 1325400	A2	20030709	EP 2001970748	A	20010910	200345	
			WO 2001US28265	A	20010910		
KR 2003051643	A	20030625	KR 2003703405	A	20030307	200373	

Priority Applications (No Type Date): US 2000257634 P 20001221; US 2000231404 P 20000908
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200221238	A2	E	92	G06F-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200190723 A G06F-015/00 Based on patent WO 200221238
EP 1325400 A2 E G06F-001/00 Based on patent WO 200221238
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR
KR 2003051643 A G06F-017/60

5/3/27 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014540531 **Image available**
WPI Acc No: 2002-361234/200239
XRPX Acc No: N02-282285
Live presentation recording device for use in educational institutions, synchronizes still image display with recording of audio portion of live presentation
Patent Assignee: MERRIL J R (MERR-I)
Inventor: MERRIL J R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020036694	A1	20020328	US 9873871	A	19980507	200239	B
			US 2001955939	A	20010920		

Priority Applications (No Type Date): US 2001955939 A 20010920; US 9873871 A 19980507
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020036694	A1		36	H04N-005/225	CIP of application US 9873871

5/3/28 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014450412 **Image available**
WPI Acc No: 2002-271115/200232
XRPX Acc No: N03-514524
Synchronized service provision method in dancing school, involves continuing playback at each user terminal based on new status information transmitted during change of playback status
Patent Assignee: NOKIA CORP (OYNO)
Inventor: LIVONEN J; IIVONEN J
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FI 200001570	A	20011231	FI 20001570	A	20000630	200232	B
US 20020067909	A1	20020606	US 2001892174	A	20010626	200362	

Priority Applications (No Type Date): FI 20001570 A 20000630
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FI 200001570	A		1	H04L-000/00	
US 20020067909	A1		10	H04N-009/89	

5/3/29 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014405433 **Image available**
WPI Acc No: 2002-226136/200228

XRPX Acc No: N02-173487

Animated sequence generating method for Internet **communication system, involves generating event sequence using detected phonetic code sequence and sampling the event sequence**

Patent Assignee: THRILLIONAIRE PRODN INC (THRI-N)
Inventor: BELLOMO V C; HERRMANN E M
Number of Countries: 094 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200146947	A1	20010628	WO 2000US34392	A	20001218	200228	B
AU 200122766	A	20010703	AU 200122766	A	20001218	200228	

Priority Applications (No Type Date): US 99466767 A 19991220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200146947	A1	E	48	G10L-021/06	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200122766	A		G10L-021/06	Based on patent WO 200146947	

5/3/30 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014301971 **Image available**
WPI Acc No: 2002-122674/200217
XRPX Acc No: N02-092064

Music datastream continuity enforcing system for commercially distributed copyright works, has steganographic unit to embed encryption key into one unit of datastream

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: KIENZLE M; ROSE R E; VERSCHEURE O
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
AU 200071972	A	20010920	AU 200071972	A	20001201	200217	B
JP 2001320360	A	20011116	JP 200171425	A	20010314	200229	

Priority Applications (No Type Date): US 2000528456 A 20000317
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 200071972	A		39	H04L-009/12	
JP 2001320360	A		13	H04L-009/08	

5/3/31 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014264408 **Image available**
WPI Acc No: 2002-089106/200212
XRPX Acc No: N02-065638

Interleaved multimedia file production for diverse computer networks **, involves writing** video **/audio frame in respective** interleaved **file packets, when** audio **time stamp is lesser than or equal to that of video**

Patent Assignee: CHOU P A (CHOU-I); KLEMETS A E (KLEM-I); MICROSOFT CORP (MICT)
Inventor: CHOU P A; KLEMETS A E
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010013068	A1	20010809	US 97826345	A	19970325	200212	B
US 6449653	B2	20020910	US 97826345	A	19970325	200263	

Priority Applications (No Type Date): US 97826345 A 19970325
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20010013068 A1 31 G06F-015/16
US 6449653 B2 G06F-015/16

5/3/32 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014110667 **Image available**
WPI Acc No: 2001-594879/200167
XRPX Acc No: N01-443206
Video frames display synchronizing with web event for multimedia, by displaying event extracted from web server, when event time marker in annotation frame matches time stamp of video frame from stream server
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: CANNON A; CHADDHA N; DEAN D; DEL VAL D; GUPTA A; VELLANKI P; WANG F
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 6173317 B1 20010109 US 97819585 A 19970314 200167 B

Priority Applications (No Type Date): US 97819585 A 19970314
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 6173317 B1 26 H04N-007/10

5/3/33 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013435648 **Image available**
WPI Acc No: 2000-607591/200058
XRPX Acc No: N00-450169
Video/audio data multiplexing apparatus for network connected camera, has multiplexer that multiplexes video data and audio data which is encoded during encoding of video data
Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 2000244914 A 20000908 JP 9939979 A 19990218 200058 B

Priority Applications (No Type Date): JP 9939979 A 19990218
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2000244914 A 16 H04N-007/24

5/3/34 (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012727866 **Image available**
WPI Acc No: 1999-533979/199945
XRPX Acc No: N99-396684
Three dimensional virtual space image and sound synchronizer for information processor in network system - changes position of image of object displayed in display unit based on sound data obtained by interpolation of data in file with low and high volume
Patent Assignee: SONY CORP (SONY)
Inventor: AGA H; ARAKAWA E; KAMACHI T; KARASAWA H; NAGAHARA J; TSUKAHARA H
Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11232487	A	19990827	JP 9830794	A	19980213	199945	B
US 6626954	B1	20030930	US 99246397	A	19990209	200367	

Priority Applications (No Type Date): JP 9830794 A 19980213
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11232487	A		25	G06T-017/00	
US 6626954	B1			G06F-017/00	

5/3/35 **(Item 29 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

[illegible] **Image available**
WPI Acc No: 1999-517887/199943
XRPX Acc No: N99-385128
Synchronizing apparatus for integrated multimedia messaging system
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: QIDWAI I H; ROUSE A; WANG K; WOO F S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5948059	A	19990907	US 97821536	A	19970321	199943	B

Priority Applications (No Type Date): US 97821536 A 19970321
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5948059	A		18	G06F-013/00	

5/3/36 **(Item 30 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012550358 **Image available**
WPI Acc No: 1999-356464/199930
XRPX Acc No: N99-265298
Cross modal predictive coding method for teleconferencing, video telephony
Patent Assignee: LUCENT TECHNOLOGIES INC (LUCE)
Inventor: CHEN T; RAO R R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5907351	A	19990525	US 95547213	A	19951024	199930	B

Priority Applications (No Type Date): US 95547213 A 19951024
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5907351	A		12	H04N-007/14	

5/3/37 **(Item 31 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

[illegible]2486357 **Image available**
WPI Acc No: 1999-292465/199925
XRPX Acc No: N99-219047
Portable telephone e.g. PHS used for personal computer and communication karaoke apparatus - has PHS base station connector to establish communication between digital communication network **and communication circuit connected to PHS base station through circuit controller**
Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11095766	A	19990409	JP 97250522	A	19970916	199925	B

Priority Applications (No Type Date): JP 97250522 A 19970916
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11095766	A		9	G10K-015/04	

5/3/38 (Item 32 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012349641 **Image available**
WPI Acc No: 1999-155748/199914
XRPX Acc No: N99-112551
Data transmitting device for MPEG-2 program stream in e.g. DVD player
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA DENKI SANGYO KK (MATU); KITAURA H (KITA-I); KONDO S (KOND-I); MAEDA A (MAED-I); MITUI Y (MITU-I); TAKEDA H (TAKE-I); UENAKA H (UENA-I)
Inventor: KITAURA H; KONDO S; MAEDA A; MITUI Y; TAKEDA H; UENAKA H
Number of Countries: 028 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 899964	A2	19990303	EP 98114158	A	19980729	199914	B
JP 11177581	A	19990702	JP 98214580	A	19980729	199937	
KR 99014281	A	19990225	KR 9830736	A	19980729	200018	
US 6618396	B1	20030909	US 98122899	A	19980728	200361	

Priority Applications (No Type Date): JP 97274139 A 19971007; JP 97202746 A 19970729; JP 97202748 A 19970729; JP 97205671 A 19970731
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 899964	A2	E	75	H04N-007/52	
	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
JP 11177581	A		50	H04L-012/28	
KR 99014281	A			H04N-007/24	
US 6618396	B1			H04J-003/02	

5/3/39 (Item 33 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012278298 **Image available**
WPI Acc No: 1999-084404/199908
XRPX Acc No: N99-061042
Digitised video material processing method e.g. for Internet - capturing video sequence having first start time and first end time to provide several digitised frame which are filtered according to a set filter function with frames decimated to reduce frames to set horizontal and vertical frame size
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: GALTON B N
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2327822	A	19990203	GB 9715649	A	19970725	199908	B
US 6128435	A	20001003	US 97969516	A	19971113	200050	
GB 2327822	B	20020227	GB 9715649	A	19970725	200215	

Priority Applications (No Type Date): GB 9715649 A 19970725
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2327822	A		23	H04N-007/26	
US 6128435	A			H04N-005/917	

5/3/40 **(Item 34 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

011573468 **Image available**
WPI Acc No: 1997-549949/199750
XRPX Acc No: N97-458501
Synchronising and navigating method for multiple streams of isochronous and non-isochronous data - synchronising and navigating through synchronised streams with reference to common timebase and using structured framework of conceptual events
Patent Assignee: ELOQUENT INC (ELOQ-N)
Inventor: GLAZER D; REID C A
Number of Countries: 076 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9741504	A1	19971106	WO 97US6982	A	19970424	199750	B
AU 9729922	A	19971119	AU 9729922	A	19970424	199812	
EP 895617	A1	19990210	EP 97924520	A	19970424	199911	
			WO 97US6982	A	19970424		
JP 2000510622	W	20000815	JP 97539064	A	19970424	200044	
			WO 97US6982	A	19970424		

Priority Applications (No Type Date): US 96638350 A 19960426
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9741504	A1	E	38	G06F-003/00	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN					
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
AU 9729922	A			G06F-003/00	Based on patent WO 9741504
EP 895617	A1	E		G06F-003/00	Based on patent WO 9741504
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
JP 2000510622	W		43	G06F-003/00	Based on patent WO 9741504

5/3/41 **(Item 35 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

011566804 **Image available**
WPI Acc No: 1997-543285/199750
XRPX Acc No: N97-452617
Multimedia radio communication system - restores image **signal transmission based on** synchronization **data containing** audio **signal when second radio circuit is reconnected after disconnection**
Patent Assignee: YRP IDO TSUSHIN KIBAN GIJUTSU KENKYUSHO (YRPI-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9261154	A	19971003	JP 9689000	A	19960319	199750	B

Priority Applications (No Type Date): JP 9689000 A 19960319
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9261154	A		15	H04B-007/26	

5/3/42 **(Item 36 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

011288198 **Image available**
WPI Acc No: 1997-266103/199724
XRPX Acc No: N97-220403
Digital image communication method - involves multiplexing encoded image and audio data obtained from delay circuit and transmitting it to communication network
Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9093553	A	19970404	JP 95247253	A	19950926	199724	B

Priority Applications (No Type Date): JP 95247253 A 19950926
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9093553	A		12	H04N-007/10	

5/3/43 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011241966 **Image available**
WPI Acc No: 1997-219869/199720
XRPX Acc No: N97-181845
Synchronous audio-video reproduction apparatus - synchronises **reproduction of** image **and** audio **by adjusting audio output timing.**
Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9065303	A	19970307	JP 95218837	A	19950828	199720	B

Priority Applications (No Type Date): JP 95218837 A 19950828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9065303	A		6	H04N-007/10	

5/3/44 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010074387 **Image available**
WPI Acc No: 1994-342100/199442
XRPX Acc No: N94-268287
Software system for computer supported collaboration - has two computer system interconnected by network **and with** data **sharing driver providing I/O data and video/audio data to each computer**
Patent Assignee: INTEL CORP (ITLC)
Inventor: AHIMOVIC P J; MANEPALLY N; AHIMOVIC P
Number of Countries: 019 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9424629	A1	19941027	WO 94US3960	A	19940412	199442	B
EP 694187	A1	19960131	EP 94915367	A	19940412	199609	
			WO 94US3960	A	19940412		
JP 8509310	W	19961001	JP 94523372	A	19940412	199705	
			WO 94US3960	A	19940412		
EP 694187	B1	20010321	EP 94915367	A	19940412	200117	
			WO 94US3960	A	19940412		
US 6209021	B1	20010327	US 9347121	A	19930413	200119	
			US 95541471	A	19951010		
DE 69426927	E	20010426	DE 626927	A	19940412	200130	
			EP 94915367	A	19940412		
			WO 94US3960	A	19940412		
ES 2156590	T3	20010701	EP 94915367	A	19940412	200141	

CA 2160343 C 20020[illegible]6 CA 2160343 A 19940412 200256
WO 94US3960 A 19940412

Priority Applications (No Type Date): US 9347121 A 19930413; US 95541471 A 19951010
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9424629 A1 E 30 G06F-015/21
Designated States (National): CA JP
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
EP 694187 A1 E 30 G06F-015/21 Based on patent WO 9424629
Designated States (Regional): DE ES FR GB IT
JP 8509310 W 26 G06F-015/00 Based on patent WO 9424629
EP 694187 B1 E G06F-009/46 Based on patent WO 9424629
Designated States (Regional): DE ES FR GB IT
US 6209021 B1 G06F-015/16 Cont of application US 9347121
DE 69426927 E G06F-009/46 Based on patent EP 694187
Based on patent WO 9424629
[illegible] T3 G06F-009/46 Based on patent EP 694187
[illegible] C E G06F-015/16 Based on patent WO 9424629

5/3/45 **(Item 39 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004430196
WPI Acc No: 1985-257074/198542
XRPX Acc No: N85-192134
Network **for retrieving sound signals from television signals mixture - has mixer producing difference sound carrier signal for FM sound carrier and LF sound signal for AM sound carrier**
Patent Assignee: PHILIPS PATENTVERWALTUNG GMBH (PHIG)
Inventor: BRILKA J; WELTERSBAC W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
DE 3411791 A 19851010 DE 3411791 A 19840330 198542 B

Priority Applications (No Type Date): DE 3411791 A 19840330
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
DE 3411791 A 38

5/3/46 **(Item 40 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

003286005
WPI Acc No: 1982-D4016E/198212
Audio-visual system with multi-mode TV receiver - has adjustable input network with video signal processor and image reproducing kinescope
Patent Assignee: RCA CORP (RADC)
Inventor: NICHOLSON J E; WILMARTH P C
Number of Countries: 002 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 4319277 A 19820309 198212 B
JP 57045781 A 19820315 198216

Priority Applications (No Type Date): US 80165411 A 19800702
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 4319277 A 9

File 348:EUROPEAN PATENTS 1978-2004/Feb W03
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040219,UT=20040212
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	168144	BASELINE OR INTERLEAV? OR INTERLEAF? OR INTER()(LEAV??? OR LEAF???) OR SYNC??? OR SYNCHRONIZ?????? OR SYNCHRONIS??????
S2	1074	(METADATA OR META()DATA OR VIDEO OR MOVIE? ? OR FILM? ? OR ANIMATION OR TEXT??? OR CAPTION? ? OR IMAGE? ? OR GRAPHIC? ? OR PICTURE? ? OR PHOTO? ? OR PHOTOGRAPH? ?)(5W)S1(5W)(AUDIO OR SOUND OR MUSIC OR MIDI)
S3	95425	INTERNET OR INTRANET? ? OR EXTRANET? ? OR TCP()IP OR IPX()SPX OR PACKET(1W)SWITCH? OR (DATA OR PACKET? ? OR FRAME? ? OR DATAFRAME? ?)(3N)NETWORK??? OR ARPANET
S4	207365	NETWORK???
S5	141	S2(50N)S3:S4
S6	61	S2(50N)S3
S7	80	S5 NOT S6

6/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00650198
COMMUNICATION SYSTEM
KOMMUNIKATIONSSYSTEM
SYSTEME DE COMMUNICATION
PATENT ASSIGNEE:
CHATER, Guy, (1841811), Thornridge, Wickham Bishops CM8 3JW, (GB), (Proprietor designated states: all)
CHATER, John, Charles, (1841790), 4/6 The Paragon, Blackheath Village, London SE3 0NY, (GB), (Proprietor designated states: all)
CHATER, Ian, (1841800), 4/6 The Paragon, Blackheath Village, London SE3 0NY, (GB), (Proprietor designated states: all)
INVENTOR:
CHATER, John Charles, 4/6 The Paragon, Blackheath Village, London SE3 0NY , (GB)
CHATER, Ian, 4/6 The Paragon, Blackheath Village, London SE3 0NY, (GB)
CHATER, Guy, Thornridge, Wickham Bishops CM8 3JW, (GB)
KEYWOOD, Martin David, 130 St Dunstans Road, Hammersmith, London W6 8RB, (GB)
HENLEY, Ian William, 29 Ventnor Drive, Totteridge, London N20, (GB)
LEGAL REPRESENTATIVE:
Moir, Michael Christopher et al (33991), Mathys & Squire 100 Grays Inn Road, London WC1X 8AL, (GB)
PATENT (CC, No, Kind, Date): EP 686335 A1 951213 (Basic)
EP 686335 B1 020724
WO 9419907 940901
APPLICATION (CC, No, Date): EP 94907632 940225; WO 94GB377 940225
PRIORITY (CC, No, Date): GB 9303998 930226
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; IT; LI; LU; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04N-007/14
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200230	1435
CLAIMS B	(German)	200230	1481
CLAIMS B	(French)	200230	1498
SPEC B	(English)	200230	3934
Total word count - document A			0
Total word count - document B			8348
Total word count - documents A + B			8348

...SPECIFICATION PCs 134. MPEG is the Moving Pictures Expert Group's standard for digital compression of PAL video signals.
Connection between users via the public ISDN **network** provides sufficient **data** bandwidth to allow video conference calls to be made. The H320 series of standards that are applicable to this medium include a subset dealing with the compression of **synchronised video** and **audio** output. The terminal PCs 142 are fitted with video conferencing cards to permit this; the VC8000 card is preferred amongst currently available cards. This card...

6/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00305195
Information transmission system.
Nachrichtenubertragungssystem.
Systeme de transmission d'informations.
PATENT ASSIGNEE:
ALCATEL N.V., (829130), Strawinskylaan 537, (World Trade Center), NL-1077 XX Amsterdam, (NL), (applicant designated states:

CH;DE;ES;FR;GB;IT;LI;NL;SE;AT)
BELL TELEPHONE MANUFACTURING COMPANY Naamloze Vennootschap, (268511), Francis Wellesplein 1, B-2018 Antwerp, (BE), (applicant designated states: BE)
INVENTOR:
Verplest, Willem Jules Antoine, Smisstraat 27, B-2730 Zwijndrecht, (BE)
Puyoncheel, Marc Maurice Lucienne, Varenlaan 13, B-2619 Wilrijk, (BE)
LEGAL REPRESENTATIVE:
Vermeersch, Robert et al (1162), BELL TELEPHONE MANUFACTURING COMPANY Naamloze Vennootschap Patent Department Francis Wellesplein 1, B-2018 Antwerpen, (BE)
PATENT (CC, No, Kind, Date): EP 275129 A2 880720 (Basic)
EP 275129 A3 890726
EP 275129 B1 940406
APPLICATION (CC, No, Date): EP 88200011 880107;
PRIORITY (CC, No, Date): BE 8700027 870116
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: H04N-011/04; H04L-001/02;
ABSTRACT WORD COUNT: 97

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	549
CLAIMS B	(German)	EPBBF1	507
CLAIMS B	(French)	EPBBF1	622
SPEC B	(English)	EPBBF1	2597
Total word count - document A			0
Total word count - document B			4275
Total word count - documents A + B			4275

...SPECIFICATION receiver station.
In this way the loss of a packet of an information signal has substantially no adverse effect on the quality of the resultant **image built up** in the receiver station.
To be noted that the article "Asynchronous Time Division Networks : terminal **synchronizing** for **video** and **sound** signals, by J-Y Cochennec et al, Globecom '85, IEEE Global Telecommunications Conference, New Orleans, Louisiana, December 2-5, 1985, pp. 791-794" already describes...

6/3,K/56 (Item 46 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00334964 **Image available**
METHOD AND APPARATUS FOR DISTRIBUTING SERVICES ON DEMAND
TECHNIQUE ET SYSTEME DE DISTRIBUTION DE SERVICES SUR DEMANDE
Patent Applicant/Assignee:
TELEFONAKTIEBOLAGET LM ERICSSON,
Inventor(s):
JOHNSON Torbjorn,
NYMAN Hans,
ENEBORG Mats,
PERSSON Per,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9617476 A1 19960606
Application: WO 95SE1406 19951124 (PCT/WO SE9501406)
Priority Application: US 94348917 19941125
Designated States: AU CA CN FI JP KR MX NO SG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: Spanish
Fulltext Word Count: 9308

Fulltext Availability:
Detailed Description

Detailed Description
... 326, two for each channel, and then compared in comparators 328 and 330. These comparators 328 and 330 are synchronized with comparator 310 in the **video** encoder using signal **Sync** C. The encoded **audio** signals are then output to buffer 316 as described above.

lle system 30 fin-ther comprises a monitoring and recording rneans 72 that is connectod via. a communication link 74 to the communication network 64 and via 5 a communication link 76 to the first **data network** 56. Apart from being transparent to the information flow to the subscribers, one of the functions of the monitoring and recording means 72 is the...

6/3,K/57 (Item 47 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00296896
AUDIO AND VIDEO SUBSYSTEMS FOR COMPUTER-BASED CONFERENCING SYSTEM
SOUS-SYSTEMES AUDIO ET VIDEO POUR SYSTEME DE TELECONFERENCE INFORMATISE
Patent Applicant/Assignee:
INTEL CORPORATION,
Inventor(s):
TUNG Peter,
GUTMANN Michael,
VRVILO Benjamin,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9515047 A2 19950601
Application: WO 94US13553 19941121 (PCT/WO US9413553)
Priority Application: US 93157478 19931124; US 93158246 19931124
Designated States: CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 68183

Fulltext Availability:
Detailed Description

Detailed Description
... RegisterOut - Register a network output channel.

NETWSendCntl - Send a control message.

NETWSendFrame - Send a video frame.

39
SUBSTITUTE SHEET (RULE 26)
NETWPostFrame - Post a video **frame** buffer to the **network** interface.

NETWCleanup - Un-initialize NETW support; buffers, etc.

AVSync DLL
AVSync DLL WF provides a library of interfaces designed to support the capture and playback applications in the implementation of the audio-**video synchronization** technique, including.

Implementing **audio** system callbacks used to deliver timestamp values.

Implementing audio system latency settings.

Maintaining capture stream and playback stream timestamps.
Video frame comparison with video stream...

6/3,K/58 (Item 48 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00292762 **Image available**

METHOD AND SYSTEM FOR MULTICASTING RELATED DATA STREAMS ON A COMPUTER NETWORK

DISPOSITIF ET PROCEDE DE TRANSMISSION MULTIDESTINATAIRE DE TRAINS DE DONNEES CONNEXES DANS UN RESEAU INFORMATIQUE

Patent Applicant/Assignee:
INTEL CORPORATION,
Inventor(s):
SIVAKUMAR Ramamurthy,
ACOTT Troy,
DANNEELS Gunner,
KEMBEL John,
SAMPAT Ketan,
SPOONER Galen,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9510911 A1 19950420
Application: WO 94US11278 19941006 (PCT/WO US9411278)
Priority Application: US 93133615 19931012
Designated States: BR CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 22273

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... the playing of data for the other time-stamped data streams. Assume, for example, that the audio data stream of a channel having audio and **video** components is the designated target **sync** . When **audio** sink MSP 1818 receives new audio **data** from the **network** , MSP 1818 asks sync manager 1824 for playing instructions. Since the audio data stream is the sync target, sync manager 1824 instructs MSP 1818 to...

...

... The method of claim 6, wherein:
step (b) comprises the step of relating said audio stream and said video stream as a channel and by **synchronizing** said **video** stream with said **audio** stream; and step (c) comprises the steps of
(1) fragmenting said audio and video streams into a plurality of data packets;
(2) assigning a priority to each of said data packets; and
(3) transmitting said data **packets** on said computer **network** in accordance with said priorities, wherein each of said clients selectively receives zero, one, or both of said audio and video streams.

9 The method...17 The system of claim 15, wherein:
means (b) comprises means for relating said audio stream and said video stream as a channel and by **synchronizing** said **video** stream with said **audio** stream; and
means (c) comprises:
(1) means for fragmenting said audio and video streams into a plurality of
data packets;
(2) means for assigning a priority to each of said data packets; and
(3) means for transmitting said data **packets** on said computer **network** in
accordance with said priorities, wherein each of said clients selectively receives zero, one, or both of said audio and video streams.

18 The system...

6/3,K/59 (Item 49 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

Image available
SERVER/CLIENT ARCHITECTURE AND METHOD FOR MULTICASTING ON A COMPUTER NETWORK
ARCHITECTURE SERVEUR/CLIENT ET PROCEDE D'EMISSION A DESTINATAIRES MULTIPLES POUR UN RESEAU INFORMATIQUE
Patent Applicant/Assignee:
INTEL CORPORATION,
Inventor(s):
SAMPAT Ketan,
ACOTT Troy,
DANNEELS Gunner,
SIVAKUMAR Ramamurthy,
SPOONER Galen,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510910 A2 19950420
Application: WO 94US11277 19941006 (PCT/WO US9411277)
Priority Application: US 93134025 19931012
Designated States: CA JP VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 23027
Fulltext Availability:
Detailed Description

Detailed Description
... the playing of data for the other time-stamped data streams. Assume, for example, that the audio data stream of a channel having audio and **video** components is the designated target **sync** . When **audio** sink MSP 1818 receives new audio **data** from the **network** , MSP 1818 asks sync manager 1824 for playing instructions. Since the audio data stream is the sync target, sync manager 1824 instructs MSP 1818 to...

6/3,K/60 **(Item 50 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00292759 **Image available**
METHOD AND SYSTEM FOR MULTICASTING FORMATTED DATA ON A COMPUTER NETWORK
PROCEDE ET SYSTEME D'EMISSION A DESTINATAIRES MULTIPLES DE DONNEES FORMATEES SUR UN RESEAU INFORMATIQUE
Patent Applicant/Assignee:
INTEL CORPORATION,
Inventor(s):
DANNEELS Gunner,
ACOTT Troy,
SAMPAT Ketan,
SPOONER Galen,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510908 A1 19950420
Application: WO 94US11282 19941006 (PCT/WO US9411282)
Priority Application: US 93133955 19931012
Designated States: AU BR CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 22942

Fulltext Availability:
Detailed Description

Detailed Description
... the playing of data for the other time-stamped data streams. Assume, for example, that the audio data stream of a channel having audio and **video** components is the designated target **sync** . When **audio** sink MSP 1818 receives new audio **data** from the **network** , MSP 1818 asks sync manager 1824 for playing instructions. Since the audio data stream is the sync target, sync manager 1824 instructs MSP 1818 to...

6/3,K/61 (Item 51 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00271732
COMMUNICATION SYSTEM
SYSTEME DE COMMUNICATION
Patent Applicant/Assignee:
CHATER John Charles,
CHATER Ian,
CHATER Guy,
KEYWOOD Martin David,
HENLEY Ian William,
Inventor(s):
CHATER John Charles,
CHATER Ian,
CHATER Guy,
KEYWOOD Martin David,
HENLEY Ian William,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9419907 A1 19940901
Application: WO 94GB377 19940225 (PCT/WO GB9400377)
Priority Application: GB 933998 19930226
Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SK TJ UA US UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 4552

Fulltext Availability:
Detailed Description

Detailed Description
... PCs 134. MPEG is the Moving Pictures Expert Group's standard for digital compression of PAL video signals.

Connection between -users via the public ISDN **network** provides sufficient **data** bandwidth to allow video conference calls to be made. The H320 series of standards that are applicable to this medium include a subset
dealing with the compression of **synchronised** **video** and **audio** output. The
terminal PCs 142 are fitted with video conferencing cards to permit this; the VC8000 card is preferred amongst currently available cards.

6/TI,PD,AD/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Broadcast mail receiving device and its method
Vorrichtung und Verfahren zum Empfang von Rundfunk elektronischer Post
Dispositif et procede pour la reception de courrier electronique radiodiffuse
PATENT (CC, No, Kind, Date): EP 1288812 A2 030305 (Basic)
APPLICATION (CC, No, Date): EP 2002018481 020816;
PRIORITY (CC, No, Date): JP 2001255686 010827; JP 2001375631 011210
?t/ti,pd,ad/2-61

6/TI,PD,AD/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Subliminally embedded keys in video for synchronization
Subliminal eingebetteter Schlussel fur Videosynchronisation
Cles incorporees de facon subliminale pour la synchronisation video
PATENT (CC, No, Kind, Date): EP 1204277 A2 020508 (Basic)
EP 1204277 A3 030604
APPLICATION (CC, No, Date): EP 2001308791 011016;
PRIORITY (CC, No, Date): US 707520 001106

6/TI,PD,AD/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Real-time media content synchronization and transmission in packet network apparatus and method
Verfahren und Vorrichtung zur Synchronisierung und Ubertragung von Echtzeit-Medieninhalt in einem Paketnetz
Dispositif et procede de synchronisation et transmission en temps reel de contenus multimedia dans un reseau de paquets de donnees
PATENT (CC, No, Kind, Date): EP 1122931 A2 010808 (Basic)
EP 1122931 A3 031008
APPLICATION (CC, No, Date): EP 2001102060 010130;
PRIORITY (CC, No, Date): US 499701 000207

6/TI,PD,AD/4 (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Data communications system
Datenkommunikationssystem
Systeme de communication de donnees
PATENT (CC, No, Kind, Date): EP 1120947 A2 010801 (Basic)
EP 1120947 A3 030827
APPLICATION (CC, No, Date): EP 2001300661 010125;
PRIORITY (CC, No, Date): JP 200015504 000125; JP 200038514 000216; JP 200049775 000225; JP 2000359579 001127

6/TI,PD,AD/5 (Item 5 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Home network gateway
Hausnetzubergangseinrichtung
Passerelle de Reseau domotique
PATENT (CC, No, Kind, Date): EP 1117214 A2 010718 (Basic)
EP 1117214 A3 010912
APPLICATION (CC, No, Date): EP 2001660004 010112;
PRIORITY (CC, No, Date): US 483681 000114

6/TI,PD,AD/6 (Item 6 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

METHOD AND APPARATUS FOR SYNCHRONOUS PRESENTATION OF VIDEO AND AUDIO

TRANSMISSIONS AND THEIR INTERACTIVE ENHANCEMENT STREAMS FOR TV AND INTERNET ENVIRONMENTS
PROCEDE ET APPAREIL DE PRESENTATION SYNCHRONE DE TRANSMISSIONS VIDEO ET AUDIO ET FLUX CORRESPONDANTS DE RENFORCEMENT DE L'INTERACTIVITE POUR ENVIRONNEMENTS TV ET INTERNET
PATENT (CC, No, Kind, Date): WO 2000020976 000413
APPLICATION (CC, No, Date): EP 99950244 991006; WO 99US23343 991006
PRIORITY (CC, No, Date): US 168315 981007

6/TI,PD,AD/7 (Item 7 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Information record medium, and information reproducing apparatus and method
Informationsaufzeichnungsmedium , -wiedergabegerat und -verfahren
Milieu d'enregistrement d'informations et appareil et methode de reproduction d'informations
PATENT (CC, No, Kind, Date): EP 886276 A2 981223 (Basic)
EP 886276 A3 000223
APPLICATION (CC, No, Date): EP 98111369 980619;
PRIORITY (CC, No, Date): JP 97164449 970620

6/TI,PD,AD/8 (Item 8 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Multipoint video conference controlling method and system capable of synchronizing video and audio packets
Mehrpunkt-Videokonferenz-Steuerungsverfahren und System zur Synchronisierung von Video- und Audio-Paketen
Methode de commande de videoconferences multipoints et systeme capable de synchroniser des paquets video et audio
PATENT (CC, No, Kind, Date): EP 789492 A2 970813 (Basic)
EP 789492 A3 971229
EP 789492 B1 011010
APPLICATION (CC, No, Date): EP 97101971 970207;
PRIORITY (CC, No, Date): JP 9648364 960209

6/TI,PD,AD/9 (Item 9 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

COMMUNICATION SYSTEM
KOMMUNIKATIONSSYSTEM
SYSTEME DE COMMUNICATION
PATENT (CC, No, Kind, Date): EP 686335 A1 951213 (Basic)
EP 686335 B1 020724
WO 9419907 940901
APPLICATION (CC, No, Date): EP 94907632 940225; WO 94GB377 940225
PRIORITY (CC, No, Date): GB 9303998 930226

6/TI,PD,AD/10 (Item 10 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Information transmission system.
Nachrichtenubertragungssystem.
Systeme de transmission d'informations.
PATENT (CC, No, Kind, Date): EP 275129 A2 880720 (Basic)
EP 275129 A3 890726
EP 275129 B1 940406
APPLICATION (CC, No, Date): EP 88200011 880107;
PRIORITY (CC, No, Date): BE 8700027 870116

6/TI,PD,AD/11 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND DEVICE FOR REPRODUCING MULTI-TRACK DATA ACCORDING TO PREDETERMINED CONDITIONS
PROCEDE ET DISPOSITIF DE LECTURE DE DONNEES MULTIPISTES SELON DES CONDITIONS PREDETERMINEES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200406209 A1 20040115 (WO 0406209)
Application: WO 2002IB2614 20020704

6/TI,PD,AD/12 (Item 2 from file: 349)

COMPUTER-BASED METHOD FOR CONVEYING INTERRELATED TEXTUAL AND IMAGE INFORMATION
PROCEDE GERE PAR ORDINATEUR POUR L'ACHEMINEMENT D'INFORMATION TEXTUELLE ET D'INFORMATION IMAGE INTERRELIEES
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003102819 A1 20031211 (WO 03102819)
Application: WO 2003US11937 20030416

6/TI,PD,AD/13 (Item 3 from file: 349)

METHOD AND DEVICE FOR INDICATING QUANTIZER PARAMETERS IN A VIDEO CODING SYSTEM
PROCEDE ET DISPOSITIF D'INDICATION DE PARAMETRES D'UN QUANTIFICATEUR DANS UN SYSTEME DE VIDEO CODAGE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200392297 A1 20031106 (WO 0392297)
Application: WO 2003IB1528 20030423

6/TI,PD,AD/14 (Item 4 from file: 349)

CODING TRANSFORM COEFFICIENTS IN IMAGE / VIDEO ENCODER AND/OR DECODERS
COEFFICIENTS DE TRANSFORMATION DE CODAGE UTILISES DANS DES CODEURS ET/OU DES DECODEURS D'IMAGE/VIDEO
Patent and Priority Information (Country, Number, Date):
Patent: WO 200384076 A1 20031009 (WO 0384076)
Application: WO 2003FI253 20030402

6/TI,PD,AD/15 (Item 5 from file: 349)

METHOD FOR CODING MOTION IN A VIDEO SEQUENCE
PROCEDE DE CODAGE DU MOUVEMENT DANS UNE SEQUENCE VIDEO
Patent and Priority Information (Country, Number, Date):
Patent: WO 200379681 A1 20030925 (WO 0379681)
Application: WO 2003IB944 20030314

6/TI,PD,AD/16 (Item 6 from file: 349)

INFORMATION BROWSING METHOD, TRANSMITTING APPARATUS AND RECEIVING APPARATUS
PROCEDE D'EXPLORATION DE DONNEES, DISPOSITIF D'EMISSION ET DISPOSITIF DE RECEPTION
Patent and Priority Information (Country, Number, Date):
Patent: WO 200373753 A1 20030904 (WO 0373753)
Application: WO 2003JP2134 20030226

6/TI,PD,AD/17 (Item 7 from file: 349)

CODING TRANSFORM COEFFICIENTS IN IMAGE/VIDEO ENCODERS AND/OR DECODERS
CODAGE DE COEFFICIENTS DE TRANSFORMATION DANS DES CODEURS ET/OU DECODEURS IMAGE/VIDEO
Patent and Priority Information (Country, Number, Date):
Patent: WO 200363501 A1 20030731 (WO 0363501)
Application: WO 2003FI56 20030122

6/TI,PD,AD/18 (Item 8 from file: 349)

ADAPTIVE VARIABLE LENGTH CODING
CODAGE A LONGUEUR VARIABLE ADAPTATIF
Patent and Priority Information (Country, Number, Date):
Patent: WO 200363360 A1 20030731 (WO 0363360)
Application: WO 2003FI55 20030122

6/TI,PD,AD/19 (Item 9 from file: 349)

CODING DYNAMIC FILTERS
CODAGE DE FILTRES DYNAMIQUES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200358945 A2-A3 20030717 (WO 0358945)
Application: WO 2003IB61 20030114

6/TI,PD,AD/20 (Item 10 from file: 349)

FILM TRANSMISSION
TRANSMISSION DE FILM
Patent and Priority Information (Country, Number, Date):
Patent: WO 200330023 A2-A3 20030410 (WO 0330023)
Application: WO 2002GB4408 20020927

6/TI,PD,AD/21 (Item 11 from file: 349)

METHOD FOR SUB-PIXEL VALUE INTERPOLATION
PROCEDE D'INTERPOLATION DE VALEURS DE SOUS-PIXELS
Patent and Priority Information (Country, Number, Date):
Patent: WO 200326296 A1 20030327 (WO 0326296)
Application: WO 2002FI729 20020911

6/TI,PD,AD/22 (Item 12 from file: 349)

SYSTEM FOR PROVIDING EDUCATIONAL CONTENTS ON INTERNET AND METHOD THEREOF
SYSTEME DESTINE A FOURNIR DES CONTENUS EDUCATIONNELS SUR INTERNET ET PROCEDE ASSOCIE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200325816 A1 20030327 (WO 0325816)
Application: WO 2002KR1617 20020827

6/TI,PD,AD/23 (Item 13 from file: 349)

STORED PROFILE SYSTEM FOR STORING AND EXCHANGING USER COMMUNICATIONS PROFILES
SYSTEME DE PROFIL STOCKE DESTINE AU STOCKAGE ET A L'ECHANGE DE PROFILS DE COMMUNICATION UTILISATEUR AFIN D'INTEGRER INTERNET AU RESEAU TELEPHONIQUE PUBLIQUE COMMUTE

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200321387 A2-A3 20030313 (WO 0321387)
  Application: WO 2002US27435 20020828

6/TI,PD,AD/24 (Item 14 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

INTERACTIVE DEVICE CONTROL SYSTEM FOR INTEGRATING THE INTERNET WITH THE PUBLIC SWITCHED TELEPHONE NETWORK
SYSTEME DE COMMANDE DE DISPOSITIF INTERACTIF DESTINE A INTEGRER INTERNET AU MOYEN DU RESEAU TELEPHONIQUE PUBLIQUE COMMUTE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200321388 A2-A3 20030313 (WO 0321388)
  Application: WO 2002US27436 20020828

6/TI,PD,AD/25 (Item 15 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

CALL MANAGEMENT MESSAGING SYSTEM FOR INTEGRATING THE INTERNET WITH THE PSTN
SYSTEME DE MESSAGERIE DE GESTION D'APPEL PERMETTANT D'INTEGRER L'INTERNET AVEC LE RTPC
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200315363 A1 20030220 (WO 0315363)
  Application: WO 2002US22627 20020716

6/TI,PD,AD/26 (Item 16 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

CENTRAL OFFICE FOR INTEGRATING THE INTERNET WITH PSTN
SYSTEME DE COMMUTATION TELEPHONIQUE PERMETTANT D'INTEGRER L'INTERNET DANS LE RESEAU TELEPHONIQUE PUBLIC COMMUTE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200309549 A2-A3 20030130 (WO 0309549)
  Application: WO 2002US22772 20020716

6/TI,PD,AD/27 (Item 17 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

INTEGRATED TELEPHONE CENTRAL OFFICE SYSTEMS FOR INTEGRATING THE INTERNET WITH THE PUBLIC SWITCHED TELEPHONE NETWORK
SYSTEMES DE CENTRAL TELEPHONIQUE INTEGRES PERMETTANT D'INTEGRER L'INTERNET AU RESEAU TELEPHONIQUE PUBLIC COMMUTE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200309525 A1 20030130 (WO 0309525)
  Application: WO 2002US22624 20020716

6/TI,PD,AD/28 (Item 18 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

TELEPHONE CENTRAL OFFICE SWITCH INTERFACE WITH MESSAGING CHANNEL FOR INTEGRATING THE PSTN WITH THE INTERNET
INTERFACE DE COMMUTATION D'UNE CENTRALE TELEPHONIQUE AVEC CANAL DE MESSAGERIE PERMETTANT D'INTEGRER LE RESEAU TELEPHONIQUE COMMUTE (RTPC) AVEC L'INTERNET
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200303679 A2-A3 20030109 (WO 0303679)
  Application: WO 2002US19913 20020624

6/TI,PD,AD/29 (Item 19 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

INTEGRATING THE INTERNET WITH THE PUBLIC SWITCHED TELEPHONE NETWORK

INTEGRATION D'INTERNET AU RESEAU TELEPHONIQUE PUBLIC COMMUTE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200303678 A1 20030109 (WO 0303678)
  Application: WO 2002US19778 20020624

6/TI,PD,AD/30 (Item 20 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR NETWORK DELIVERY OF LOW BIT RATE MULTIMEDIA CONTENT
SYSTEME ET PROCEDE DE DISTRIBUTION RESEAU D'UN CONTENU MULTIMEDIA A FAIBLE DEBIT BINAIRE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200285016 A1 20021024 (WO 0285016)
  Application: WO 2002US11037 20020410

6/TI,PD,AD/31 (Item 21 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND APPARATUS FOR CONVERTING AND INTEGRATING MEDIA FILES
CONVERSION ET INTEGRATION DE FICHIERS MULTIMEDIA
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200284638 A1 20021024 (WO 0284638)
  Application: WO 2002US7689 20020315

6/TI,PD,AD/32 (Item 22 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MAINTAINING A GLOBAL TIME REFERENCE AMONG A GROUP OF NETWORKED DEVICES
MAINTIEN D'UNE REFERENCE TEMPORELLE GLOBALE DANS UN GROUPE DE DISPOSITIFS EN RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200273851 A1 20020919 (WO 0273851)
  Application: WO 2002US7082 20020307

6/TI,PD,AD/33 (Item 23 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM FOR SYNCHRONIZING RECEPTION OF DATA OVER DIFFERENT NETWORKS
SYSTEME DE SYNCHRONISATION DE LA RECEPTION DE DONNEES SUR PLUSIEURS RESEAUX
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200271760 A2-A3 20020912 (WO 0271760)
  Application: WO 2002GB955 20020305

6/TI,PD,AD/34 (Item 24 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

VIDEO PROCESSING SYSTEM INCLUDING ADVANCED SCENE BREAK DETECTION METHODS FOR FADES, DISSOLVES AND FLASHES
SYSTEME DE TRAITEMENT VIDEO COMPRENANT DES PROCEDES DE DETECTION AVANCEE D'INTERRUPTION DE SCENE POUR LES EFFETS DE FONDU, DE FONDU ENCHAINE ET DE PLAN-ECLAIR
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200269513 A1 20020906 (WO 0269513)
  Application: WO 2002US5535 20020222

6/TI,PD,AD/35 (Item 25 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM FOR CONSTRUCTING AND OPERATING AN INTERNET TELEVISION AND METHOD USED IN ONE SUCH SYSTEM
SYSTEME POUR CONSTRUIRE ET EXPLOITER UNE TELEVISION INTERNET, ET PROCEDE MIS EN OEUVRE DANS UN TEL SYSTEME

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200265777 A1 20020822 (WO 0265777)
  Application: WO 2002FR489 20020208

6/TI,PD,AD/36 (Item 26 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR STREAMING VIDEO OVER A NETWORK
SYSTEME ET PROCEDE DE VIDEO EN CONTINU VIA UN RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200230125 A1 20020411 (WO 0230125)
  Application: WO 2001US30868 20011001

6/TI,PD,AD/37 (Item 27 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

AUTHENTICATING AND MEASURING QUALITY OF SERVICE OF MULTIMEDIA SIGNALS USING DIGITAL WATERMARK ANALYSES
AUTHENTIFICATION ET MESURE DE LA QUALITE DE SERVICE DE SIGNAUX MULTIMEDIAS PAR ANALYSE DE FILIGRANE NUMERIQUE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200223468 A1 20020321 (WO 0223468)
  Application: WO 2001US28523 20010910

6/TI,PD,AD/38 (Item 28 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

TECHNIQUE FOR EFFECTIVE ORGANIZATION AND COMMUNICATION OF INFORMATION
TECHNIQUE POUR LE CLASSEMENT ET LA COMMUNICATION EFFICACES D'INFORMATIONS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200210939 A1 20020207 (WO 0210939)
  Application: WO 2001US22686 20010719

6/TI,PD,AD/39 (Item 29 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

VIDEO ERROR RESILIENCE
RESILIENCE D'ERREUR VIDEO
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200201882 A2-A3 20020103 (WO 0201882)
  Application: WO 2001EP7366 20010628

6/TI,PD,AD/40 (Item 30 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SATELLITE BASED OBJECT MONITORING SYSTEM
SYSTEME DE SURVEILLANCE PAR SATELLITE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200198795 A2-A3 20011227 (WO 0198795)
  Application: WO 2001GB2694 20010619

6/TI,PD,AD/41 (Item 31 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYNCHRONIZED CONVERGENCE PLATFORM
PROCEDE POUR CONTROLER L'AFFICHAGE D'UN NAVIGATEUR PENDANT LA TRANSMISSION DE SEQUENCES MULTIMEDIA CONTINUES SUR INTERNET DESTINE A CREER UNE PLATE-FORME DE CONVERGENCE SYNCHRONISEE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200186593 A2-A3 20011115 (WO 0186593)
  Application: WO 2001CA635 20010509

6/TI,PD,AD/42 (Item 32 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MULTIMEDIA SYSTEM FOR INTERACTIVE LEARNING
SYSTEME MULTIMEDIA POUR APPRENTISSAGE INTERACTIF
Patent and Priority Information (Country, Number, Date):
Patent: WO 200173722 A2 20011004 (WO 0173722)
Application: WO 2001CA400 20010329

6/TI,PD,AD/43 (Item 33 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR MULTIMEDIA TRANSMISSION
PROCEDE ET DISPOSITIF DE SELECTION MULTIMEDIA ET DE MISE A L'ECHELLE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200160009 A2-A3 20010816 (WO 0160009)
Application: WO 2001SE195 20010201

6/TI,PD,AD/44 (Item 34 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

NETWORK-BASED TALK SHOW SYSTEM
SYSTEME D'EMISSION DEBAT A BASE RESEAU
Patent and Priority Information (Country, Number, Date):
Patent: WO 200145406 A1 20010621 (WO 0145406)
Application: WO 2000CA1477 20001218

6/TI,PD,AD/45 (Item 35 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR SYNCHRONIZING ONLINE ACTIVITIES WITH BROADCAST PROGRAMMING
SYSTEME ET PROCEDE DE SYNCHRONISATION D'ACTIVITES EN LIGNE AVEC DES PROGRAMMES D'EMISSIONS
Patent and Priority Information (Country, Number, Date):
Patent: WO 200139506 A2-A3 20010531 (WO 0139506)
Application: WO 2000US42248 20001121

6/TI,PD,AD/46 (Item 36 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEMS AND METHODS FOR HOLDOVER CIRCUITS IN PHASE LOCKED LOOPS
SYSTEMES ET PROCEDES RELATIFS A DES CIRCUITS DE MAINTIEN DANS DES BOUCLES A PHASE ASSERVIE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200131792 A2-A3 20010503 (WO 0131792)
Application: WO 2000US41471 20001024

6/TI,PD,AD/47 (Item 37 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

CLIENT PRESENTATION PAGE CONTENT SYNCHRONIZED TO A STREAMING DATA SIGNAL
CONTENU DE PAGE DE PRESENTATION DE CLIENTS SYNCHRONISE A UN SIGNAL DE DONNEES DE TRANSMISSION EN CONTINU
Patent and Priority Information (Country, Number, Date):
Patent: WO 200119088 A1 20010315 (WO 0119088)
Application: WO 2000US24642 20000908

6/TI,PD,AD/48 (Item 38 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR MUSIC VIDEO GENERATION
PROCEDE ET SYSTEME DE GENERATION DE CLIPS VIDEO
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200118655 A1 20010315 (WO 0118655)
  Application: WO 2000US20814 20000905

6/TI,PD,AD/49 (Item 39 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

BUSINESS ALLIANCE IDENTIFICATION
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200073928 A2-A3 20001207 (WO 0073928)
  Application: WO 2000US14375 20000524

6/TI,PD,AD/50 (Item 40 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MULTIMEDIA TIMELINE MODIFICATION IN NETWORKED CLIENT/SERVER SYSTEMS
MODIFICATION DE COMPOSANTES TEMPORELLE DANS DES SYSTEMES CLIENT/SERVEUR EN RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200016533 A1 20000323 (WO 0016533)
  Application: WO 99US21325 19990915

6/TI,PD,AD/51 (Item 41 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

VIDEO AND AUDIO SYNCHRONISATION
SYNCHRONISATION VIDEO ET AUDIO
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200005901 A1 20000203 (WO 0005901)
  Application: WO 99GB2300 19990716

6/TI,PD,AD/52 (Item 42 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SCALABLE NETWORKED MULTIMEDIA SYSTEM AND APPLICATIONS
SYSTEME MULTIMEDIA ECHELONNABLE CONNECTE A UN RESEAU ET SES APPLICATIONS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9923560 A1 19990514
  Application: WO 98US23596 19981104

6/TI,PD,AD/53 (Item 43 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

INTERACTIVE VIDEO COMMUNICATION OVER A PACKET DATA NETWORK
TRANSMISSION VIDEO INTERACTIVE SUR RESEAU DE DONNEES PAR PAQUETS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9857521 A1 19981217
  Application: WO 98US12033 19980610

6/TI,PD,AD/54 (Item 44 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

COMBINED DIGITAL AUDIO/VIDEO ON DEMAND AND BROADCAST DISTRIBUTION SYSTEM
SYSTEME NUMERIQUE COMBINE D'AUDIO/VIDEO A LA DEMANDE ET DE RADIODIFFUSION
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9811685 A2 19980319
  Application: WO 97US15758 19970908

6/TI,PD,AD/55 (Item 45 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

NON-LINEAR EDITING SYSTEM FOR HOME ENTERTAINMENT ENVIRONMENTS
SYSTEME DE MONTAGE NON LINEAIRE POUR EQUIPEMENTS AUDIOVISUELS DOMESTIQUES
Patent and Priority Information (Country, Number, Date):
Patent: WO 9806098 A1 19980212
Application: WO 97US13055 19970806

6/TI,PD,AD/56 (Item 46 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR DISTRIBUTING SERVICES ON DEMAND
TECHNIQUE ET SYSTEME DE DISTRIBUTION DE SERVICES SUR DEMANDE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9617476 A1 19960606
Application: WO 95SE1406 19951124

6/TI,PD,AD/57 (Item 47 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

AUDIO AND VIDEO SUBSYSTEMS FOR COMPUTER-BASED CONFERENCING SYSTEM
SOUS-SYSTEMES AUDIO ET VIDEO POUR SYSTEME DE TELECONFERENCE INFORMATISE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9515047 A2 19950601
Application: WO 94US13553 19941121

6/TI,PD,AD/58 (Item 48 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR MULTICASTING RELATED DATA STREAMS ON A COMPUTER NETWORK
DISPOSITIF ET PROCEDE DE TRANSMISSION MULTIDESTINATAIRE DE TRAINS DE DONNEES CONNEXES DANS UN RESEAU INFORMATIQUE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510911 A1 19950420
Application: WO 94US11278 19941006

6/TI,PD,AD/59 (Item 49 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SERVER/CLIENT ARCHITECTURE AND METHOD FOR MULTICASTING ON A COMPUTER NETWORK
ARCHITECTURE SERVEUR/CLIENT ET PROCEDE D'EMISSION A DESTINATAIRES MULTIPLES POUR UN RESEAU INFORMATIQUE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510910 A2 19950420
Application: WO 94US11277 19941006

6/TI,PD,AD/60 (Item 50 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR MULTICASTING FORMATTED DATA ON A COMPUTER NETWORK
PROCEDE ET SYSTEME D'EMISSION A DESTINATAIRES MULTIPLES DE DONNEES FORMATEES SUR UN RESEAU INFORMATIQUE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510908 A1 19950420
Application: WO 94US11282 19941006

6/TI,PD,AD/61 (Item 51 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

COMMUNICATION SYSTEM
SYSTEME DE COMMUNICATION
Patent and Priority Information (Country, Number, Date):
Patent: WO 9419907 A1 19940901
Application: WO 94GB377 19940225

7/3,K/10 **(Item 10 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

01291322
Apparatus and method for digital data transmission
Vorrichtung und Verfahren zur digitalen Datenubertragung
Procede et dispositif de transmission de donnees numeriques
PATENT ASSIGNEE:
Terayon Communication Systems, Inc., (2769080), 2952 Bunker Hill Lane, Santa Clara, CA 95054, (US), (Applicant designated States: all)
INVENTOR:
Rakib, Selim Shlomo, Dr., 10271 West Acres,, Cupertino, California 95014, (US)
Azenkot, Yehuda, 1128 LIttleoak Circle, San Jose, California 95129, (US)
LEGAL REPRESENTATIVE:
Brax, Matti Juhani (85201), Berggren Oy Ab, P.O. Box 16, 00101 Helsinki, (FI)
PATENT (CC, No, Kind, Date): EP 1107599 A2 010613 (Basic)
EP 1107599 A3 020508
APPLICATION (CC, No, Date): EP 2001104543 960725;
PRIORITY (CC, No, Date): US 519630 950825; US 588650 960119; US 684243 960719
DESIGNATED STATES: BE; DE; FR; GB; IE; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 858695 (EP 96927270)
INTERNATIONAL PATENT CLASS: H04N-007/173; H04L-012/28; H04J-011/00; H04J-013/02; H04J-003/06; H04B-001/707; H04L-005/02
ABSTRACT WORD COUNT: 143
NOTE:
Figure number on first page: 49

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	1478
SPEC A	(English)	200124	67821
Total word count - document A			69299
Total word count - document B			0
Total word count - documents A + B			69299

...SPECIFICATION the use in the CATV environment of higher level protocols that have been developed or which are in the process of development for local area **networks** such as ATM or ISDN that are designed for delivery of digitized **video** , digitized **audio** and digital data over point to point LAN connections, Thus, the a major problem exists in adapting these point to point LAN protocols to the...

7/3,K/11 **(Item 11 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

01087155
Teleconferencing system
Telekonferenzsystem
Systeme de teleconference
PATENT ASSIGNEE:
VICOR, INC., (1937980), Unit 2B, 264 Village Boulevard, Incline Village, NV 89451, (US), (Applicant designated States: all)
INVENTOR:
Ludwig, Lester F., 1230 Southdown, Hillsborough, California 94010, (US)
Lauwers, J. Chris, Apart. H-210, 350 Sharon Park Drive, Menlo Park, CA 94025, (US)
Lantz, Keith A., 1225 Eureka Avenue, Los Altos, CA 94024, (US)
Burnett, Gerald J., 207 Atherton Avenue, Atherton, CA 94027, (US)
Burns, Emmett, 1555 S. Ely Springs Road, P.O. Box 10279, Jackson, Wyoming 83001, (US)

LEGAL REPRESENTATIVE:
  Abnett, Richard Charles (27531), REDDIE & GROSE 16 Theobalds Road, London WC1X 8PL, (GB)
PATENT (CC, No, Kind, Date): EP 955765 A1 991110 (Basic)
APPLICATION (CC, No, Date): EP 99202661 940316;
PRIORITY (CC, No, Date): US 131523 931001
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
  EP 721725 (EP 94921163)
INTERNATIONAL PATENT CLASS: H04M-003/56; H04L-012/18
ABSTRACT WORD COUNT: 184
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9945	563
SPEC A	(English)	9945	21767
Total word count - document A			22330
Total word count - document B			0
Total word count - documents A + B			22330

...SPECIFICATION They also support mapping disks with other disks (for replication and staging modes, as appropriate) and mapping disks, via I/O equipment, with the appropriate **Video** /Audio **network** port.
  Synchronization support
  Synchronization between **audio** and video is ensured by the multiplexing scheme used by the storage media, typically by interleaving the audio and video streams in a time-division...

7/3,K/13 **(Item 13 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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01017857
Synchronization in a multimedia system
Synchronisation in einem Multimediasystem
Synchronisation dans un systeme multimedia
PATENT ASSIGNEE:
  Collaboration Properties, Inc., (2892560), P.O. Box 7097, Suite 7, 913 Village Boulevard, Incline Village, Nevada 89452, (US), (Proprietor designated states: all)
INVENTOR:
  Ludwig, Lester F., 1230 Southdown, Hillborough, California 94010, (US)
  Lauwers, Chris J., 1225 Brentwood Street, Los Altos, CA 94024, (US)
  Lantz, Keith A., 1225 Eureka Avenue, Los Altos, CA 94024, (US)
  Burnett, Gerald J., 207 Atherton Avenue, Atherton, CA 94027, (US)
  Burns, Emmett R.P.O.Box 10279, 1555 S. Ely Springs Road, Jackson, Wyoming 83002, (US)
LEGAL REPRESENTATIVE:
  Abnett, Richard Charles (27531), REDDIE & GROSE 16 Theobalds Road, London WC1X 8PL, (GB)
PATENT (CC, No, Kind, Date): EP 912056 A2 990428 (Basic)
  EP 912056 A3 990519
  EP 912056 B1 020109
APPLICATION (CC, No, Date): EP 98120175 941003;
PRIORITY (CC, No, Date): US 131523 931001
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
  EP 721726 (EP 94930561)
INTERNATIONAL PATENT CLASS: H04N-007/15; H04M-003/56; H04L-012/18
ABSTRACT WORD COUNT: 191
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199917	336
CLAIMS B	(English)	200202	324
CLAIMS B	(German)	200202	339
CLAIMS B	(French)	200202	407
SPEC A	(English)	199917	21778
SPEC B	(English)	200202	21738
Total word count - document A			22117
Total word count - document B			22808
Total word count - documents A + B			44925

...SPECIFICATION They also support mapping disks with other disks (for replication and staging modes, as appropriate) and mapping disks, via I/O equipment, with the appropriate **Video** /Audio **network** port.
Synchronization support

, **Synchronization** between **audio** and video is ensured by the multiplexing scheme used by the storage media, typically by interleaving the audio and video streams in a time-division...

...SPECIFICATION They also support mapping disks with other disks (for replication and staging modes. as appropriate) and mapping disks, via I/O equipment, with the appropriate **Video** /Audio **network** port.
Synchronization support
Synchronization between **audio** and video is ensured by the multiplexing scheme used by the storage media, typically by interleaving the audio and video streams in a time-division...

7/3,K/26 (Item 26 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00730432
Sound-synchronised video system
Tonsynchronisiertes Videosystem
Systeme video avec synchronisation du son
PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
Chen, Homer H., 269 Harvey Avenue, Lincroft, NJ 07738, (US)
LEGAL REPRESENTATIVE:
Buckley, Christopher Simon Thirsk et al (28912), AT&T (UK) LTD., AT&T Intellectual Property Division, 5 Mornington Road, Woodford Green, Essex IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 689362 A2 951227 (Basic)
EP 689362 A3 960626
APPLICATION (CC, No, Date): EP 95304087 950614;
PRIORITY (CC, No, Date): US 263271 940621
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: H04N-007/52; H04N-007/26;
ABSTRACT WORD COUNT: 129
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	460
SPEC A	(English)	EPAB96	2111
Total word count - document A			2571
Total word count - document B			0
Total word count - documents A + B			2571

...CLAIMS and audio signal by fetching from the plurality visemes visemes corresponding to phonemes in the audio signal and applying the fetched visemes to the unsynchronized **video** signal of the stream in

synchronism with corresponding phonemes in the **audio** signal of the stream.

6. A communication system, comprising:

a plurality of stations each having means for transmitting and receiving video and audio signals;

a communication **network** linking said stations;

means, at said stations, for decoding the signals;

at a plurality of said stations:

means coupled to said decoding means for memorizing a plurality of visemes corresponding to phonemes in the audio signal;

means, coupled to said respective decoding means at each station, for imparting a **synchronism** to the **video** signal and **audio** signal, by fetching from the plurality visemes visemes corresponding to phonemes in the audio signal and applying the fetched visemes to the unsynchronized video signal...

7/3,K/72 **(Item 41 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00292009
MULTIMEDIA COLLABORATION SYSTEM
SYSTEME DE COLLABORATION MULTIMEDIA
Patent Applicant/Assignee:
VICOR INC,
LUDWIG Lester F,
LAUWERS J Chris,
LANTZ Keith A,
BURNETT Gerald J,
BURNS Emmett R,
Inventor(s):
LUDWIG Lester F,
LAUWERS J Chris,
LANTZ Keith A,
BURNETT Gerald J,
BURNS Emmett R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9510158 A2 19950413
Application: WO 94US11193 19941003 (PCT/WO US9411193)
Priority Application: US 93131523 19931001
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 29129

Fulltext Availability:
Detailed Description

Detailed Description
... They also support mapping disks with other disks (for replication and staging modes, as appropriate) and mapping disks, via 1/0 equipment, with the appropriate **Video** /Audio **network** port.

...Synchronization support
Synchronization between **audio** and video is ensured by the multiplexing scheme used by the storage media, typically by interleaving the audio and video streams in a time
Z...

7/3,K/75 **(Item 44 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00270602
MULTIMEDIA DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION MULTIMEDIA
Patent Applicant/Assignee:
NOVELL INC,
Inventor(s):
NELSON David L,
UPPALURU Premkumar,
ROMANO Pasquale,
KLEIMAN Jeffrey L,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9418776 A2 19940818
Application: WO 94US1177 19940202 (PCT/WO US9401177)
Priority Application: US 9313009 19930203; US 93164407 19931208
Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 24905

Fulltext Availability:
Detailed Description

Detailed Description
... is based upon and depends upon the interleaved format of the audio and video stream it processes.

Currently, handling of audio and video in a **network** environment is also based on a scheme in which capture, storage, and transmission of audio and **video** must be carried out using **interleaved** **audio** and **video** streams.

This **interleaving** extends to the transmission of **audio** and video streams
across the **network** in an interleaved format within transmission packets.

Synchronization of audio with video during an active presentation sequence is conventionally achieved by initially interleaving the audio ...

7/3,K/77 **(Item 46 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00257928 **Image available**
LOCAL AREA VIDEO NETWORK
RESEAU VIDEO LOCAL
Patent Applicant/Assignee:
JOSTENS LEARNING CORPORATION,
Inventor(s):
KERNAN John T,
BESTICK Gregory,
JOHNSON Jack,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9406091 A1 19940317
Application: WO 93US5604 19930611 (PCT/WO US9305604)
Priority Application: US 92940611 19920904
Designated States: AU CA GB
Publication Language: English
Fulltext Word Count: 4443

Fulltext Availability:
Claims

Claim
... N data packets concatenated to the control register packet wherein N represents a number of the plurality of computer workstations,

14 A local area video **network** as recited in claim 13 wherein the data stream further comprises a preamble for containing auxiliary information for system organization such as headers, trailers, addresses, and cyclic redundancy checking (CRC).

15 A local area video **network** as recited in claim 13 wherein each of the N data packets comprises **interleaved** multiple **video** and **audio** channels.

16 A local area video **network** as recited in claim 15 wherein the **interleaved** multiple **video** and **audio** channels are in an Audio/Video Support System (AVSS) format,

17 A local area video **network** as recited in claim 7 wherein the time division multiple access (TDMA) control means further comprises:
(i) slot time logic means for determining slot times...

7/3,K/78 (Item 47 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00214518
SCRAMBLED VIDEO DIGITAL TRANSMISSION LINK
LIAISON DE TRANSMISSION NUMERIQUE VIDEO BROUILLEE
Patent Applicant/Assignee:
ASYNCHRONOUS COMMUNICATION INC,
Inventor(s):
Kyrill Hermann,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9211734 A1 19920709
Application: WO 91US9610 19911220 (PCT/WO US9109610)
Priority Application: US 90463 19901220
Designated States: AT BE CH DE DK ES FR GB GB GR IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 7917

Fulltext Availability:
Detailed Description

Detailed Description
... and frequency conversion to restore the original picture and sound intermediate frequency signals, These signals are then processed in a conventional IF-to-channel conversion **network** and transmitted to the TV sets of subscribers wherein they are descrambled and demodulated to produce the original baseband video and sound signals usable by the TV sets,
By removing the amplitude modulation from the video signal and placing the suppressed **video sync** pulse inf6rmation on a **sound** subcarrier before the video and sound signals are transmitted, a high signal-to-noise ratio and the necessary sync pulse information required by the TV...

7/3,K/79 (Item 48 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00562
INTERCONNECTION AND CONTROL OF MULTIPLE AUDIO AND VIDEO MEDIA DEVICES
INTERCONNEXION ET COMMANDE DE SUPPORTS VIDEO ET AUDIO MULTIPLES
Patent Applicant/Assignee:
INTERACTIVE MEDIA TECHNOLOGIES INC,
Inventor(s):
GEAR Gary,
VINCENT Daniel M,
ROPER Todd K,
WILLIAMSON Glenn,
NORTH John,
OTTO Richard G,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9115920 A1 19911017
Application: WO 91US2282 19910409 (PCT/WO US9102282)
Priority Application: US 90399 19900409
Designated States: AT AU BE CA CH DE DK ES FI FR GB GR IT JP LU NL NO SE
Publication Language: English
Fulltext Word Count: 9060

Fulltext Availability:
Detailed Description

Detailed Description
... of as
the central clearing house for instructions and responses
to and from a host PC, and the microprocessors 1030
connected to the interprocessor communications **network** *
The interprocessor serial **network** contains two other
control signals, one being the master **video** sync pulse
used to **synchronize** **video** and **audio** switching events with
the video vertical blanking pulse. The other signal is
provided on an interprocessor interrupt line of the bus
1018. This signal line...

7/3,K/80 (Item 49 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00125770 **Image available**
A SYSTEM FOR RECORDING IMAGES AND RELATING SOUND
SYSTEME POUR ENREGISTRER DES IMAGES ET LES SONS RELATIFS A CELLES-CI
Patent Applicant/Assignee:
STRUIK Ted,
Inventor(s):
STRUIK Ted,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8504024 A1 19850912
Application: WO 85NL12 19850228 (PCT/WO NL8500012)
Priority Application: NL 84619 19840228
Designated States: AT BE CH DE FR GB JP LU NL SE US
Publication Language: English
Fulltext Word Count: 1358

English Abstract
...coded number is addressed to the sound track on the sound carrier, the
image carrier and the sound carrier being scaned such as to achieve
synchronism of **image** and **sound** . By using a secret code illegal
copying is obstructed. By using a computer it is possible to store a
secret code therein, the computer supplying the code only after insertion
of a code recognition number. A computer can be connected to the used
computer through the telephone **network** for supplying the code.

7/TI,PD,AD,PR/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

System and method for enhanced navigation of multimedia DVD
System und Verfahren fur verbesserte Navigation einer Multimedia-DVD
Syteme et procede pour navigation amelioree dans un DVD
PATENT (CC, No, Kind, Date): EP 1357749 A1 031029 (Basic)
APPLICATION (CC, No, Date): EP 2003003923 030221;
PRIORITY (CC, No, Date): JP 200249749 020226

7/TI,PD,AD,PR/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Call detection and handling in multimedia collaboration system
Anrufdetektion und Anrufbearbeitung in einem Multimedia Kollaborationssystem
Detection et traitement d'appel dans un systeme de collaboration multimedia
PATENT (CC, No, Kind, Date): EP 1307038 A2 030502 (Basic)
EP 1307038 A3 030702
APPLICATION (CC, No, Date): EP 2003075276 941003;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

System and method for detecting start codes in MPEG video streams
System und Verfahren zur Detektierung von Startkoden in MPEGvideostromen
Systeme et methode pour detecter des codes de depart dans des flux video MPEG
PATENT (CC, No, Kind, Date): EP 1307052 A2 030502 (Basic)
APPLICATION (CC, No, Date): EP 2002255649 020813;
PRIORITY (CC, No, Date): US 944729 010831

7/TI,PD,AD,PR/4 (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Apparatus and method for indexing MPEG video data to perform special mode playback in a digital video recorder and indexed signal associated therewith
Vorrichtung und Verfahren zur Indexierung von MPEG-Videodaten zur Durchfuhrung von Spezial-Mode-Wiedergabe in einem digitalen Videoaufnahmegerat und damit verbundenes indexiertes Signal
Dispositif et procede d'indexation de donnees video MPEG pour realiser la reproduction en mode special dans un appareil d'enregistrement video numerique et signal indexe associe
PATENT (CC, No, Kind, Date): EP 1292138 A2 030312 (Basic)
APPLICATION (CC, No, Date): EP 2002255650 020813;
PRIORITY (CC, No, Date): US 943815 010831

7/TI,PD,AD,PR/5 (Item 5 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

System for multiplexing video data streams in a digital video recorder and method of operating the same
System und Verfahren zum Multiplexen von Videodatenstromen in einem digitalen Videorekorder
Systeme et methode de multiplexage de flux de donnees videos dans un appareil d'enregistrement numerique
PATENT (CC, No, Kind, Date): EP 1289279 A2 030305 (Basic)
APPLICATION (CC, No, Date): EP 2002255648 020813;
PRIORITY (CC, No, Date): US 943837 010831

7/TI,PD,AD,PR/6 (Item 6 from file: 348)

DIALOG(R)File 348:(c) 20[redacted] European Patent Office. All rt[redacted] reserv.

Apparatus and method for synchronizing video and audio mpeg streams in a video playback device
Vorrichtung und Verfahren zur Synchronisation von Video und Audio Mpegstromen in einem Videoabspielgerat
Appareil et methode de synchronisation dans un appareil de reproduction video de flux audios et videos codes selon la norme MPEG
PATENT (CC, No, Kind, Date): EP 1289306 A2 030305 (Basic)
EP 1289306 A3 040107
APPLICATION (CC, No, Date): EP 2002255643 020813;
PRIORITY (CC, No, Date): US 943793 010831

7/TI,PD,AD,PR/7 (Item 7 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Video display apparatus, audio mixing apparatus, video-audio output apparatus and video-audio synchronizing method
Anzeigevorrichtung fur Video, Mischvorrichtung fur Audio, Video-Audio Ausgabevorrichtung und Video-Audio Synchronisationsverfahren
Appareil d'affichage video, appareil de melange de signaux audios, appareil de sortie video-audio, methode de synchronisation video-audio
PATENT (CC, No, Kind, Date): EP 1259082 A2 021120 (Basic)
EP 1259082 A3 040211
APPLICATION (CC, No, Date): EP 2002253337 020514;
PRIORITY (CC, No, Date): JP 2001148530 010517

7/TI,PD,AD,PR/8 (Item 8 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

BROADCASTING METHOD, BROADCASTING SYSTEM, AND CONTENT ORGANIZING/SUPPLYING CENTER
RUNDFUNKVERFAHREN, RUNDFUNKSYSTEM UND ZENTRALE ZUR VERWALTUNG/LIEFERUNG VON INHALT
PROCEDE DE RADIODIFFUSION, SYSTEME DE RADIODIFFUSION ET CENTRE FOURNISSEUR/ORGANISATEUR DE CONTENUS
PATENT (CC, No, Kind, Date): EP 1318666 A1 030611 (Basic)
WO 2002023892 020321
APPLICATION (CC, No, Date): EP 2001963589 010911; WO 2001JP7883 010911
PRIORITY (CC, No, Date): JP 2000275070 000911

7/TI,PD,AD,PR/9 (Item 9 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Apparatus and method for digital data transmission
Vorrichtung und Verfahren zur digitalen Datenubertragung
Dispositif et procede de transmission de donnees numeriques
PATENT (CC, No, Kind, Date): EP 1130919 A2 010905 (Basic)
EP 1130919 A3 020410
APPLICATION (CC, No, Date): EP 2001104541 960725;
PRIORITY (CC, No, Date): US 519630 950825; US 588650 960119; US 684243 960719

7/TI,PD,AD,PR/10 (Item 10 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Apparatus and method for digital data transmission
Vorrichtung und Verfahren zur digitalen Datenubertragung
Procede et dispositif de transmission de donnees numeriques
PATENT (CC, No, Kind, Date): EP 1107599 A2 010613 (Basic)
EP 1107599 A3 020508
APPLICATION (CC, No, Date): EP 2001104543 960725;
PRIORITY (CC, No, Date): US 519630 950825; US 588650 960119; US 684243 960719

7/TI,PD,AD,PR/11 (Item 11 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Teleconferencing system
Telekonferenzsystem
Systeme de teleconference
PATENT (CC, No, Kind, Date): EP 955765 A1 991110 (Basic)
APPLICATION (CC, No, Date): EP 99202661 940316;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/12 (Item 12 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

AUDIO-VIDEO PACKET SYNCHRONISATION AT NEWORK GATEWAY
TON UND VIDEO PAKETSYNCHRONISIERUNG IN EINER NETZWERKDURCHSCHALTVERMITTLUNG
SYNCHRONISATION DE PAQUET AUDIO-VIDEO AU NIVEAU D'UNE PASSERELLE RESEAU
PATENT (CC, No, Kind, Date): EP 1057337 A1 001206 (Basic)
EP 1057337 B1 030423
WO 99044363 990902
APPLICATION (CC, No, Date): EP 99906358 990224; WO 99GB570 990224
PRIORITY (CC, No, Date): GB 9804071 980227; GB 9828513 981223

7/TI,PD,AD,PR/13 (Item 13 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Synchronization in a multimedia system
Synchronisation in einem Multimediasystem
Synchronisation dans un systeme multimedia
PATENT (CC, No, Kind, Date): EP 912056 A2 990428 (Basic)
EP 912056 A3 990519
EP 912056 B1 020109
APPLICATION (CC, No, Date): EP 98120175 941003;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/14 (Item 14 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Multimedia collaboration system
Multimedia Kollaborationssystem
Systeme de collaboration multimedia
PATENT (CC, No, Kind, Date): EP 912055 A2 990428 (Basic)
EP 912055 A3 990526
EP 912055 B1 021009
APPLICATION (CC, No, Date): EP 98120174 940316;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/15 (Item 15 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

SIGNAL PROCESSOR AND SIGNAL PROCESSING METHOD
SIGNALBEARBEITUNGSANLAGE UND -VERFAHREN
PROCESSEUR DE SIGNAUX ET PROCEDE DE TRAITEMENT DE SIGNAUX
PATENT (CC, No, Kind, Date): EP 909089 A1 990414 (Basic)
WO 9846020 981015
APPLICATION (CC, No, Date): EP 98911218 980406; WO 98JP1580 980406
PRIORITY (CC, No, Date): JP 97103883 970406

7/TI,PD,AD,PR/16 (Item 16 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Multimedia mail in teleconferencing system

Multimedia-Post in Telek[illegible]ferenzsystem
Courrier multimedia dans un systeme de teleconference
PATENT (CC, No, Kind, Date): EP 899954 A2 990303 (Basic)
EP 899954 A3 990519
EP 899954 B1 030813
APPLICATION (CC, No, Date): EP 98120172 941003;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/17 (Item 17 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Participant location in multimedia collaboration system
Teilnehmerlokalisierung in einem Multimedia Kollaborationssystem
Localisation de participant dans un systeme de collaboration multimedia
PATENT (CC, No, Kind, Date): EP 899953 A2 990303 (Basic)
EP 899953 A3 990519
EP 899953 B1 020327
APPLICATION (CC, No, Date): EP 98120171 941003;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/18 (Item 18 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Call detection and handling in multimedia collaboration system
Anrufdetektion und Anrufbearbeitung in einem Multimedia Kollaborationssystem
Detection et traitement d'appel dans un systeme de collaboration multimedia
PATENT (CC, No, Kind, Date): EP 899952 A2 990303 (Basic)
EP 899952 A3 990526
EP 899952 B1 030604
APPLICATION (CC, No, Date): EP 98120170 941003;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/19 (Item 19 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Multimedia teleconferencing system
Multimedia Telekonferenzsystem
Systeme de teleconference multimedia
PATENT (CC, No, Kind, Date): EP 898424 A2 990224 (Basic)
EP 898424 A3 990519
EP 898424 B1 011017
APPLICATION (CC, No, Date): EP 98120173 940316;
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/20 (Item 20 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Terminal apparatus and method for achieving interactive operations
Terminalgerat und Verfahren zur Durchfuhrung von interaktiver Bedienung
Dispositif de terminal et methode pour obtenir des operations interactives
PATENT (CC, No, Kind, Date): EP 827340 A2 980304 (Basic)
EP 827340 A3 991006
APPLICATION (CC, No, Date): EP 97306627 970829;
PRIORITY (CC, No, Date): JP 96230026 960830

7/TI,PD,AD,PR/21 (Item 21 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

MULTIMEDIA COMMUNICATIONS WITH SYSTEM-DEPENDENT ADAPTIVE DELAYS
MULTIMEDIAKOMMUNIKATION MIT VOM SYSTEM ABHANGIGEN ADAPTIVEN VERZOGERUNGEN
COMMUNICATION MULTIMEDIA A RETARDS ADAPTATIFS EN FONCTION DES SYSTEMES
PATENT (CC, No, Kind, Date): EP 882359 A2 981209 (Basic)

EP 882359 B1 991229
WO 9717798 970515
APPLICATION (CC, No, Date): EP 96936915 961024; WO 96US17031 961024
PRIORITY (CC, No, Date): US 555567 951108

7/TI,PD,AD,PR/22 (Item 22 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Method and apparatus for distributing network bandwidth on a media server
Verfahren und Vorrichtung zur Netzwerkbandbreitenverteilung in einem Videoanbieter
Methode et appareil pour distribuer la bande passante de reseau sur un serveur
PATENT (CC, No, Kind, Date): EP 785657 A2 970723 (Basic)
EP 785657 A3 980128
APPLICATION (CC, No, Date): EP 96309047 961212;
PRIORITY (CC, No, Date): US 572648 951214

7/TI,PD,AD,PR/23 (Item 23 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Method and apparatus for delivering simultaneous constant bit rate compressed video streams at arbitrary bit rates with constrained drift and jitter
Verfahren und Gerat zur Erzeugung, anhand komprimierter Videodatenfolgen mit gleichzeitiger konstanter Bitrate, von Datenfolgen variabler Bitrate mit verringertem Drift und Zittern
Methode et appareil pour delivrer, a partir des trains de donnees video comprimees a bit constant simultane, des trains de donnees a debits arbitraires avec derive et jigue reduites
PATENT (CC, No, Kind, Date): EP 779725 A2 970618 (Basic)
EP 779725 A3 020116
APPLICATION (CC, No, Date): EP 96308503 961125;
PRIORITY (CC, No, Date): US 572639 951214

7/TI,PD,AD,PR/24 (Item 24 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Video messaging arrangement
Bildbenachrichtigungsanordnung
Arrangement de messagerie video
PATENT (CC, No, Kind, Date): EP 762763 A2 970312 (Basic)
EP 762763 A3 010117
APPLICATION (CC, No, Date): EP 96306092 960821;
PRIORITY (CC, No, Date): US 522647 950901

7/TI,PD,AD,PR/25 (Item 25 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

AUTOMATIC BROADCAST MONITORING SYSTEM
AUTOMATISCHES RUNDFUNK-UBERWACHUNGSSYSTEM
SYSTEME DE SURVEILLANCE AUTOMATIQUE DE SIGNAUX DE DIFFUSION
PATENT (CC, No, Kind, Date): EP 813716 A1 971229 (Basic)
EP 813716 B1 030514
WO 96027840 960912
APPLICATION (CC, No, Date): EP 96903850 960304; WO 96CA131 960304
PRIORITY (CC, No, Date): GB 9504376 950304

7/TI,PD,AD,PR/26 (Item 26 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Sound-synchronised video system
Tonsynchronisiertes Videosystem

Systeme video avec synchronisation du son
PATENT (CC, No, Kind, Date): EP 689362 A2 951227 (Basic)
EP 689362 A3 960626
APPLICATION (CC, No, Date): EP 95304087 950614;
PRIORITY (CC, No, Date): US 263271 940621

7/TI,PD,AD,PR/27 (Item 27 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

MULTIMEDIA COLLABORATION SYSTEM
MULTIMEDIA KOLLABORATIONSSYSTEM
SYSTEME DE COLLABORATION MULTIMEDIA
PATENT (CC, No, Kind, Date): EP 721725 A1 960717 (Basic)
EP 721725 B1 021009
WO 95010157 950413
APPLICATION (CC, No, Date): EP 94921163 940316; WO 94US2961 940316
PRIORITY (CC, No, Date): US 131523 931001

7/TI,PD,AD,PR/28 (Item 28 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

SYSTEM FOR COMPUTER SUPPORTED COLLABORATION
SYSTEM FUR RECHNERUNTERSTUTZTE ZUSAMMENARBEIT
SYSTEME DE COLLABORATION ASSISTEE PAR ORDINATEUR
PATENT (CC, No, Kind, Date): EP 694187 A1 960131 (Basic)
EP 694187 B1 010321
WO 9424629 941027
APPLICATION (CC, No, Date): EP 94915367 940412; WO 94US3960 940412
PRIORITY (CC, No, Date): US 47121 930413

7/TI,PD,AD,PR/29 (Item 29 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

MULTIMEDIA DISTRIBUTION SYSTEM
MULTIMEDIAVERTEILUNGSSYSTEM
SYSTEME DE DISTRIBUTION MULTIMEDIA
PATENT (CC, No, Kind, Date): EP 683951 A1 951129 (Basic)
EP 683951 B1 971105
WO 9418776 940818
APPLICATION (CC, No, Date): EP 94914690 940202; WO 94US1177 940202
PRIORITY (CC, No, Date): US 13009 930203; US 164407 931208

7/TI,PD,AD,PR/30 (Item 30 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

FLOW CONTROL BY EVALUATING NETWORK LOAD
DATENFLU STEUERUNG DURCH LASTBEWERTUNG DES NETZES
REGULATION DU FLUX DE DONNEES SUR LA BASE DE L'EVALUATION DE LA CHARGE DU RESEAU
PATENT (CC, No, Kind, Date): EP 682833 A1 951122 (Basic)
EP 682833 B1 971001
WO 9418771 940818
APPLICATION (CC, No, Date): EP 94907949 940202; WO 94US1171 940202
PRIORITY (CC, No, Date): US 13009 930203; US 164407 931208

7/TI,PD,AD,PR/31 (Item 31 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

Method of establishing multi-location video-audio communications.
Methode zum Aufbau einer audiovisuellen Nachrichtenverbindung zwischen mehreren Stationen.
Methode d'etablissement de communication video-audio entre plusieurs stations.

PATENT (CC, No, Kind, Da[illegible]): EP 353945 A1 900207 (Basi[illegible]
EP 353945 B1 940309
APPLICATION (CC, No, Date): EP 89307633 890727;
PRIORITY (CC, No, Date): US 226491 880801

7/TI,PD,AD,PR/32 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHODS AND APPARATUS FOR GENERATING GRAPHICAL AND MEDIA DISPLAYS AT A CLIENT
PROCEDES ET DISPOSITIFS POUR PRODUIRE DES PRESENTATIONS DE GRAPHIQUES ET D'ELEMENTS DE MEDIA CHEZ UN CLIENT
Patent and Priority Information (Country, Number, Date):
Patent: WO 200379212 A1 20030925 (WO 0379212)
Application: WO 2003US7965 20030314
Priority Application: US 200298157 20020314

7/TI,PD,AD,PR/33 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

LOCATION-BASED CONTENT PROTECTION
PROTECTION DE CONTENU FONDEE SUR L'EMPLACEMENT
Patent and Priority Information (Country, Number, Date):
Patent: WO 200354702 A1 20030703 (WO 0354702)
Application: WO 2002IB5444 20021217
Priority Application: US 200124224 20011221

7/TI,PD,AD,PR/34 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MOBILE TELECOMMUNICATION NETWORKS AND DIGITAL BROADCASTING SERVICES
RESEAUX DE TELECOMMUNICATIONS MOBILES ET SERVICES DE RADIODIFFUSION NUMERIQUE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200345064 A1 20030530 (WO 0345064)
Application: WO 2002FI912 20021118
Priority Application: FI 20012256 20011120

7/TI,PD,AD,PR/35 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

VIDEO/AUDIO SYNCHRONIZATION APPARATUS
APPAREIL DE SYNCHRONISATION AUDIO/VIDEO
Patent and Priority Information (Country, Number, Date):
Patent: WO 200339142 A1 20030508 (WO 0339142)
Application: WO 2002JP11159 20021028
Priority Application: JP 2001330803 20011029

7/TI,PD,AD,PR/36 (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

COMPUTERIZED INTERACTIVE LEARNING SYSTEM AND METHOD OVER A NETWORK
SYSTEME D'APPRENTISSAGE INFORMATISE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200339101 A2-A3 20030508 (WO 0339101)
Application: WO 2002US35286 20021101
Priority Application: US 2001334714 20011101; US 2002400606 20020801

7/TI,PD,AD,PR/37 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

IMMERSIVE VISUALIZATION THEATER SYSTEM AND METHOD

SYSTEME DE THEATRE DE VISUALISATION IMMERSIF ET PROCEDE ASSOCIE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200332621 A2-A3 20030417 (WO 0332621)
  Application: WO 2002US31743 20021007
  Priority Application: US 2001326985 20011005

7/TI,PD,AD,PR/38 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM FOR APPLYING METRIC TO MULTIMEDIA FILES OVER NETWORK
SYSTEME DE MESURE DE FICHIERS MULTIMEDIA SUR UN RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200287235 A1 20021031 (WO 0287235)
  Application: WO 2002US12430 20020419
  Priority Application: US 2001284973 20010419; US 2001289409 20010508

7/TI,PD,AD,PR/39 (Item 8 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

JITTER PREVENTION IN A DIGITAL COMMUNICATION NETWORK
PREVENTION DE L'INSTABILITE DANS UN RESEAU DE COMMUNICATION NUMERIQUE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200273850 A2-A3 20020919 (WO 0273850)
  Application: WO 2002US7014 20020308
  Priority Application: US 2001274821 20010309

7/TI,PD,AD,PR/40 (Item 9 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SUPERVISORY SYSTEM
SYSTEME DE SUPERVISION
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200263863 A1 20020815 (WO 0263863)
  Application: WO 2001IL119 20010205
  Priority Application: WO 2001IL119 20010205

7/TI,PD,AD,PR/41 (Item 10 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR MEDIA PRODUCTION
SYSTEME ET PROCEDE DE PRODUCTION DE SUPPORTS MULTIMEDIA
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200252565 A1 20020704 (WO 0252565)
  Application: WO 2000SG197 20001222
  Priority Application: WO 2000SG197 20001222

7/TI,PD,AD,PR/42 (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

A UNIFIED DISTRIBUTED ARCHITECTURE FOR A MULTI-POINT VIDEO CONFERENCE AND INTERACTIVE BROADCAST SYSTEMS
ARCHITECTURE UNIFIEE DISTRIBUEE POUR SYSTEMES DE VIDEOCONFERENCE MULTIPOINT ET DE RADIODIFFUSION INTERACTIFS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200245427 A1 20020606 (WO 0245427)
  Application: WO 2001SG240 20011128
  Priority Application: US 2000726286 20001130

7/TI,PD,AD,PR/43 (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

DATA ITEM REPLACEMENT IN A MEDIA STREAM OF A STREAMING MEDIA

REMPLACEMENT D'ELEMENTS DE DONNEES DANS UN FLUX MEDIA D'UN MOYEN DE DIFFUSION
Patent and Priority Information (Country, Number, Date):
Patent: WO 200217591 A2-A3 20020228 (WO 0217591)
Application: WO 2001US24918 20010807
Priority Application: US 2000634528 20000808

7/TI,PD,AD,PR/44 (Item 13 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR CHECKING A PHYSICAL NETWORK DESIGN AGAINST A FUNCTIONAL CONNECTION OF DATA STREAMS
SYSTEME ET PROCEDE PERMETTANT DE VERIFIER LA CONCEPTION D'UN RESEAU PHYSIQUE PAR RAPPORT A UNE CONNEXION FONCTIONNELLE DE TRAINS DE DONNEES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200184272 A2-A3 20011108 (WO 0184272)
Application: WO 2001US13350 20010425
Priority Application: US 2000560436 20000428

7/TI,PD,AD,PR/45 (Item 14 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

VIDEO AND GRAPHICS DISTRIBUTION SYSTEM FOR MOBILE USERS
SYSTEME DE DISTRIBUTION VIDEO ET GRAPHIQUE POUR UTILISATEURS DE TELEPHONE MOBILE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200177800 A2-A3 20011018 (WO 0177800)
Application: WO 2001GB1591 20010406
Priority Application: GB 20008501 20000407

7/TI,PD,AD,PR/46 (Item 15 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR MAKING, MAINTAINING AND DISTRIBUTING PROFILES AND MOTION VIDEO TO VENDING MACHINES IN VENDING MACHINE NETWORKS
PROCEDE ET APPAREIL DE FABRICATION, D'ENTRETIEN ET DE DISTRIBUTION DE PROFILES ET DE VIDEOS ANIMEES A DES DISTRIBUTEURS AUTOMATIQUES DANS DES RESEAUX DE DISTRIBUTEURS AUTOMATIQUES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200171682 A2-A3 20010927 (WO 0171682)
Application: WO 2001US8346 20010314
Priority Application: US 2000528133 20000317

7/TI,PD,AD,PR/47 (Item 16 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR INTEGRATED DELIVERY OF MEDIA AND ASSOCIATED CHARACTERS, SUCH AS AUDIO AND SYNCHRONIZED TEXT TRANSCRIPTION
SYSTEME ET PROCEDE DE DISTRIBUTION INTEGREE DE CONTENUS MULTIMEDIAS ET DE CARACTERES ASSOCIES, TELS QUE DES DONNEES SONORES ET LEUR TRANSCRIPTION TEXTUELLE SYNCHRONISEE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200158165 A2-A3 20010809 (WO 0158165)
Application: WO 2001US3499 20010202
Priority Application: US 2000498233 20000203; US 2000180143 20000203

7/TI,PD,AD,PR/48 (Item 17 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLECTION OF OPINION DATA
SYSTEME PROCEDE ET PRODUIT DE PROGRAMME INFORMATIQUE PERMETTANT DE COLLECTER DES DONNEES D'OPINIONS
Patent and Priority Information (Country, Number, Date):

Patent: WO 200153922 A2 20010726 (WO 0153922)
Application: WO 2001US2241 20010124
Priority Application: US 2000177704 20000124; US 2000544624 20000406; US 2000614862 20000712

7/TI,PD,AD,PR/49 (Item 18 from file: 349)

VOICE-CONTROLLED ANIMATION SYSTEM
SYSTEME D'ANIMATION A COMMANDE VOCALE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200146947 A1 20010628 (WO 0146947)
Application: WO 2000US34392 20001218
Priority Application: US 99466767 19991220

7/TI,PD,AD,PR/50 (Item 19 from file: 349)

A SYSTEM AND METHOD FOR PRESENTING MEDIA OBJECTS ON USER-SELECTED DOCUMENTS OBTAINED FROM A COMPUTER NETWORK
SYSTEME ET PROCEDE DESTINES A PRESENTER DES OBJETS SUPPORTS SUR DES DOCUMENTS UTILISATEURS CHOISIS, OBTENUS SUR UN RESEAU D'ORDINATEURS
Patent and Priority Information (Country, Number, Date):
Patent: WO 200135298 A1 20010517 (WO 0135298)
Application: WO 2000US30708 20001107
Priority Application: US 99438625 19991112

7/TI,PD,AD,PR/51 (Item 20 from file: 349)

DATA CAPTURE AND VERIFICATION SYSTEM
SYSTEME DE SAISIE ET DE VERIFICATION DE DONNEES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200131511 A1 20010503 (WO 0131511)
Application: WO 2000US29737 20001027
Priority Application: US 99429746 19991028

7/TI,PD,AD,PR/52 (Item 21 from file: 349)

AUTOMATED PUBLICATION SYSTEM WITH NETWORKABLE SMART CAMERA
SYSTEME DE PUBLICATION AUTOMATISE A CAMERA INTELLIGENTE POUVANT ETRE MISE EN RESEAU
Patent and Priority Information (Country, Number, Date):
Patent: WO 200128249 A1 20010419 (WO 0128249)
Application: WO 2000US27613 20001006
Priority Application: US 99415689 19991008

7/TI,PD,AD,PR/53 (Item 22 from file: 349)

SYSTEM AND METHOD FOR INTERACTIVE MULTI-MODAL DISTANCE LEARNING
SYSTEME ET PROCEDE DESTINES AU TELE-APPRENTISSAGE MULTIMODE INTERACTIF
Patent and Priority Information (Country, Number, Date):
Patent: WO 200109864 A1 20010208 (WO 0109864)
Application: WO 2000US19679 20000719
Priority Application: US 99362834 19990728

7/TI,PD,AD,PR/54 (Item 23 from file: 349)

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD

DISPOSITIF DE COMMUNICATION MULTIMEDIA NON PROGRAMMABLE ET PROCEDE CORRESPONDANT
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103399 A2-A3 20010111 (WO 0103399)
  Application: WO 2000GB2601 20000706
  Priority Application: US 99142633 19990706

7/TI,PD,AD,PR/55 (Item 24 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD
DISPOSITIF <= MAIGRE >= MULTIMEDIA DE COMMUNICATION ET PROCEDE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103389 A1 20010111 (WO 0103389)
  Application: WO 2000GB2602 20000706
  Priority Application: US 99142633 19990706

7/TI,PD,AD,PR/56 (Item 25 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD
PROCEDE ET DISPOSITIF DE COMMUNICATION MULTIMEDIA DU TYPE CLIENT MAIGRE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103388 A1 20010111 (WO 0103388)
  Application: WO 2000GB2587 20000706
  Priority Application: US 99142633 19990706

7/TI,PD,AD,PR/57 (Item 26 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD
DISPOSITIF <= MAIGRE >= MULTIMEDIA DE COMMUNICATION ET PROCEDE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103387 A1 20010111 (WO 0103387)
  Application: WO 2000GB2583 20000706
  Priority Application: US 99142633 19990706

7/TI,PD,AD,PR/58 (Item 27 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

POST-SYNCHRONIZING AN INFORMATION STREAM
POST-SYNCHRONISATION D'UNE SUITE D'INFORMATIONS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200101353 A1 20010104 (WO 0101353)
  Application: WO 2000EP5712 20000621
  Priority Application: EP 99202034 19990624

7/TI,PD,AD,PR/59 (Item 28 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

METHOD FOR DISTRIBUTING AND MANAGING CONTENT FOR ON DEMAND APPLICATIONS UTILIZING LOCAL STORAGE
PROCEDE DE DISTRIBUTION ET DE GESTION DE CONTENU, DESTINE A DES APPLICATIONS A LA DEMANDE ET METTANT EN OEUVRE UNE MEMOIRE LOCALE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200059202 A2 20001005 (WO 0059202)
  Application: WO 2000US8411 20000330
  Priority Application: US 99127123 19990331; US 99458318 19991210

7/TI,PD,AD,PR/60 (Item 29 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

REMOTE ASSIST SYSTEM
SYSTEME D'AIDE A DISTANCE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200055714 A1 20000921 (WO 0055714)
  Application: WO 2000US5942 20000307
  Priority Application: US 99270300 19990315

7/TI,PD,AD,PR/61 (Item 30 from file: 349)

AUDIO-VIDEO CONFERENCE SYSTEM WITH PARALLEL NETWORKS
SYSTEME DE CONFERENCE AUDIO-VIDEO AVEC RESEAUX PARALLELES
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200045579 A1 20000803 (WO 0045579)
  Application: WO 2000GB203 20000127
  Priority Application: GB 991859 19990129

7/TI,PD,AD,PR/62 (Item 31 from file: 349)

SYNCHRONOUS NETWORK FOR DIGITAL MEDIA STREAMS
RESEAU SYNCHRONE POUR FLUX DE DONNEES NUMERIQUES
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9963698 A2 19991209
  Application: WO 99US10890 19990517
  Priority Application: US 9879914 19980515

7/TI,PD,AD,PR/63 (Item 32 from file: 349)

AUDIO-VIDEO PACKET SYNCHRONISATION AT NETWORK GATEWAY
SYNCHRONISATION DE PAQUET AUDIO-VIDEO AU NIVEAU D'UNE PASSERELLE RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9944363 A1 19990902
  Application: WO 99GB570 19990224
  Priority Application: GB 984071 19980227; GB 9828513 19981223

7/TI,PD,AD,PR/64 (Item 33 from file: 349)

AUDIOVISUAL EFFECTS PROCESSING METHOD AND APPARATUS FOR INSTANTANEOUS STORAGE-BASED PLAYBACK OF AUDIO DATA IN SYNCHRONIZATION WITH VIDEO DATA
PROCEDE ET APPAREIL DE TRAITEMENT D'EFFETS AUDIOVISUELS PERMETTANT UNE LECTURE INSTANTANEE SUR LA BASE D'UNE MEMORISATION DE DONNEES AUDIO EN SYNCHRONISATION AVEC DES DONNEES VIDEO
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9904396 A1 19990128
  Application: WO 98US14207 19980708
  Priority Application: US 97891895 19970714

7/TI,PD,AD,PR/65 (Item 34 from file: 349)

COMPUTER BASED VIDEO SYSTEM
SYSTEME VIDEO INFORMATISE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9749024 A1 19971224
  Application: WO 97US9933 19970606
  Priority Application: US 96666960 19960620

7/TI,PD,AD,PR/66 (Item 35 from file: 349)

MULTICASTING METHOD AND APPARATUS
PROCEDE ET APPAREIL DE MULTI-DIFFUSION
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9742582 A1 19971113
  Application: WO 97US7893 19970508
  Priority Application: US 96644072 19960509

7/TI,PD,AD,PR/67 (Item 36 from file: 349)

A METHOD AND SYSTEM FOR SYNCHRONIZING AND NAVIGATING MULTIPLE STREAMS OF ISOCHRONOUS AND NON-ISOCHRONOUS DATA
PROCEDE ET SYSTEME DE SYNCHRONISATION DE, ET DE NAVIGATION SUR, PLUSIEURS FLUX DE DONNEES ISOCHRONES ET NON ISOCHRONES
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9741504 A1 19971106
  Application: WO 97US6982 19970424
  Priority Application: US 96638350 19960426

7/TI,PD,AD,PR/68 (Item 37 from file: 349)

MULTIMEDIA COMMUNICATIONS WITH SYSTEM-DEPENDENT ADAPTIVE DELAYS
COMMUNICATIONS MULTIMEDIA A RETARDS ADAPTATIFS EN FONCTION DES SYSTEMES
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9717798 A2 19970515
  Application: WO 96US17031 19961024
  Priority Application: US 95555567 19951108

7/TI,PD,AD,PR/69 (Item 38 from file: 349)

AUTOMATIC BROADCAST MONITORING SYSTEM
SYSTEME DE SURVEILLANCE AUTOMATIQUE DE SIGNAUX DE DIFFUSION
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9627840 A1 19960912
  Application: WO 96CA131 19960304
  Priority Application: GB 954376 19950304

7/TI,PD,AD,PR/70 (Item 39 from file: 349)

ZONE DATA STREAMING FOR 3-DIMENSIONAL VIDEO ENVIRONMENT
TRANSMISSION EN CONTINU DE DONNEES ASSOCIEES A DES ZONES, DANS UN ENVIRONNEMENT VIDEO TRIDIMENSIONNEL
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9621202 A1 19960711
  Application: WO 96US245 19960104
  Priority Application: US 95369526 19950105

7/TI,PD,AD,PR/71 (Item 40 from file: 349)

MUSIC VENDING SYSTEM
DISTRIBUTEUR AUTOMATIQUE MUSICAL
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9530212 A1 19951109
  Application: WO 95US5464 19950428
  Priority Application: US 94234143 19940428

7/TI,PD,AD,PR/72 (Item 41 from file: 349)

DIALOG(R)File 349:(c) 20[redacted]WIPO/Univentio. All rts. reser[redacted]

MULTIMEDIA COLLABORATION SYSTEM
SYSTEME DE COLLABORATION MULTIMEDIA
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9510158 A2 19950413
  Application: WO 94US11193 19941003
  Priority Application: US 93131523 19931001

7/TI,PD,AD,PR/73 (Item 42 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MULTIMEDIA COLLABORATION SYSTEM
SYSTEME DE COLLABORATION MULTIMEDIA
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9510157 A1 19950413
  Application: WO 94US2961 19940316
  Priority Application: US 93131523 19931001

7/TI,PD,AD,PR/74 (Item 43 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SYSTEM FOR COMPUTER SUPPORTED COLLABORATION
SYSTEME DE COLLABORATION ASSISTEE PAR ORDINATEUR
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9424629 A1 19941027
  Application: WO 94US3960 19940412
  Priority Application: US 9347121 19930413

7/TI,PD,AD,PR/75 (Item 44 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

MULTIMEDIA DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION MULTIMEDIA
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9418776 A2 19940818
  Application: WO 94US1177 19940202
  Priority Application: US 9313009 19930203; US 93164407 19931208

7/TI,PD,AD,PR/76 (Item 45 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

FLOW CONTROL BY EVALUATING NETWORK LOAD
REGULATION DU FLUX DE DONNEES SUR LA BASE DE L'EVALUATION DE LA CHARGE DU RESEAU
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9418771 A1 19940818
  Application: WO 94US1171 19940202
  Priority Application: US 9313009 19930203; US 93164407 19931208

7/TI,PD,AD,PR/77 (Item 46 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

LOCAL AREA VIDEO NETWORK
RESEAU VIDEO LOCAL
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9406091 A1 19940317
  Application: WO 93US5604 19930611
  Priority Application: US 92940611 19920904

7/TI,PD,AD,PR/78 (Item 47 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

SCRAMBLED VIDEO DIGITAL TRANSMISSION LINK
LIAISON DE TRANSMISSION NUMERIQUE VIDEO BROUILLEE
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9211734 A1 19920709
  Application: WO 91US9610 19911220
  Priority Application: US 90463 19901220

7/TI,PD,AD,PR/79 (Item 48 from file: 349)

INTERCONNECTION AND CONTROL OF MULTIPLE AUDIO AND VIDEO MEDIA DEVICES
INTERCONNEXION ET COMMANDE DE SUPPORTS VIDEO ET AUDIO MULTIPLES
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9115920 A1 19911017
  Application: WO 91US2282 19910409
  Priority Application: US 90399 19900409

7/TI,PD,AD,PR/80 (Item 49 from file: 349)

A SYSTEM FOR RECORDING IMAGES AND RELATING SOUND
SYSTEME POUR ENREGISTRER DES IMAGES ET LES SONS RELATIFS A CELLES-CI
Patent and Priority Information (Country, Number, Date):
  Patent: WO 8504024 A1 19850912
  Application: WO 85NL12 19850228
  Priority Application: NL 84619 19840228

US-PAT-NO: 5951646
DOCUMENT-IDENTIFIER: US 5951646 A
TITLE: System and method for scheduling and processing image and sound data

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Abstract Text - ABTX (1):

A system and method for scheduling temporal data and non-temporal data to create a unified stream of data that includes both the temporal and non-temporal data and for processing the unified data stream. The temporal and non-temporal data is preferably in a compressed format. The system preferably includes a scheduler that takes temporal data (e.g., sound data) and non-temporal data (e.g., image data) and interleaves them together to form the unified data stream. The system also includes a processor that decompresses the compressed image data and produces an output image from both the decompressed image data and any uncompressed image data. The processor also plays the temporal data while it concurrently decompresses the compressed temporal data. The system can handle temporal data in any format, including voice data and MIDI files, as well as any type of image data, including videos and still images. Also disclosed is a method for scheduling and playing video data and sound data (including MIDI and voice) forming a computer slide-show, in which the video and sound data are interleaved into a unified data stream.

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Brief Summary Text - BSTX (3):

The present invention defines an image and sound scheduling and processing system that allows images and sound to be interleaved into a unified data stream and allows processing of the unified data stream.

Brief Summary Text - BSTX (13):

In another embodiment, the present invention is a method for processing image data and sound data in a unified data stream. The method includes the following steps: (a) interleaving image data and sound data to form a unified data stream, at least some of the image data being in an image compressed format and at least some of the sound data being in a sound compressed format; and (b) processing the unified data stream. In step (b), the image data in the

image compressed format is decompressed and an output image is produced from the decompressed image data and any uncompressed image data, the sound data is concurrently played while being decompressed.

Drawing Description Text - DRTX (8):

FIG. 6 shows a scheduler that interleaves sound and image information into a single data stream in accordance with the present invention.

Drawing Description Text - DRTX (9):

FIG. 7 is a flow diagram showing how interleaved sound and image data is scheduled.

Drawing Description Text - DRTX (11):

FIG. 9 shows a scheduler that interleaves the constituent data of a progressive slide into a single data stream in accordance with the present invention.

Detailed Description Text - DETX (8):

In this invention, the packets of temporal data (e.g., sound) are interleaved between packets of non-temporal data (e.g., image data), as described in more detail below. This combined sound and image packager is referred to in this description as the "scheduler." The scheduler will also be described in detail below.

Detailed Description Text - DETX (9):

The resulting data format 100 is shown in FIG. 1, which shows temporal data packets (e.g., sound) 102 interleaved between non-temporal data segments (e.g, image) 104. Each temporal data packet 102 includes a header portion 110, which may include information like the "first portion" described above and preferably provides information about the type of temporal data contained in the packet (e.g, sound, MIDI, control data). Each temporal data packet 102 also includes data sections, which includes sound data 172 separated by run-length bytes 180. Each non-temporal, or image, segment 104 also includes a header portion 120 and image data 122. Markers 130, 132 are placed at various times within the temporal data packets 102. In addition, a startup header 150 can be used to set various parameters for the data format 100. The markers 130, 132 and the startup header 150 will be described in detail below. It will be understood that the temporal data packets 102 are not limited to voice-coded packets, but may also include video and music sound, either compressed or uncompressed. Also, any known technique can be used to embody the sounds, including, MIDI, FM synthesizing, or any other technique, and the sounds can be reproduced by any known technique.

Detailed Description Text - DETX (28):

Step 508 produces compressed packets of MIDI data, which are interleaved with other data packets in unified data steam.

Detailed Description Text - DETX (29):

An important question is how to schedule this interleaved information into a unified stream of sound and image data. This is done by the improved scheduler of the present invention.

Detailed Description Text - DETX (30):

FIG. 6 is a block diagram of the preferred scheduler 602. It should be understood that the scheduler 602 is preferably formed of software modules, although the scheduler 602 can be formed of hardware devices that perform the same functions. The scheduler 602 receives temporal information 604, i.e., information that is important to be played in a non-interrupted manner, such as sound. The scheduler 602 also receives non-temporal information 606, such as image data. The scheduler 602 interleaves all of this information together to create streams of scheduled information 610, as shown in FIG. 6.

Detailed Description Text - DETX (51):

FIG. 9 shows a slide show scheduler 902 in accordance with the present invention. Temporal data 904 and non-temporal data 906 are input to the scheduler 902, which schedules both types of data and interleaves them into a unified stream of slide show data 910. In the example of FIG. 9, the scheduler 902 has placed six packets of video animation data (I.sub.1 -I.sub.6) 915-920 in the data stream 910 adjacent one another. Before the video image packets, the scheduler 902 has placed a first voice data packet (V.sub.1) 912 and a first MIDI data packet (MIDI.sub.1) 914 in the data stream 910 before the image packets 915-920. Each sound-related packet, V.sub.1 912 and MIDI.sub.1 914, has a playtime of T=4, and each of the image packets I.sub.1 -I.sub.5 has a playtime of T=5, while I.sub.6 has a playtime of T=6. The method for scheduling will be described in detail below.

Claims Text - CLTX (5):

(a) interleaving temporal data and non-temporal data to form a unified data stream, at least some of the temporal data being audio data in a temporal compressed format and at least some of the non-temporal data being in a non-temporal compressed format; and

Claims Text - CLTX (41):

11. The method of claim 2 wherein the interleaving step includes:

Claims Text - CLTX (46):

12. The method of claim 11 wherein the interleaving step further includes:

Claims Text - CLTX (49):

13. The method of claim 12 wherein the interleaving step further includes:

Claims Text - CLTX (52):

14. The method of claim 13 wherein the interleaving step further includes eliminating any gaps between adjacent audio and non-temporal segments.

Claims Text - CLTX (66):

(a) a scheduler, configured to interleave non-temporal data and temporal data to form a unified data stream, at least some of the non-temporal data being in an image compressed format and at least some of the temporal data being audio data in a temporal compressed format; and

Claims Text - CLTX (126):

(a) interleaving temporal data and non-temporal data to form the unified data stream;

Claims Text - CLTX (131):

(a) interleaving temporal data and non-temporal data to create a computer slide-show embodied in a unified data stream, the unified data stream including a plurality of image packets and a plurality of non-temporal data packets;

Claims Text - CLTX (140):

(a) interleaving image data, audio data, and command data to form a slide-show embodied in a unified data stream; and

Claims Text - CLTX (162):

(a) interleaving temporal data and non-temporal data to form a unified data stream, at least some of the temporal data being a MIDI audio file in a temporal compressed format, at least some of the non-temporal data being in a non-temporal compressed format, the MIDI audio file including at least one track having a plurality of messages, each message including time data;